Ὀλύμπια Δώματα.

OR, AN

ALMANACK

For the YEAR of

Our LORD GOD, 1793;

Being the First after

BISSEXTILE, or LEAP-YEAR,

And from the World's Creation, 5797.

Wherein are Contained the Lunations, Conjunctions, Aſpects, and Effects of the Planets; the Increaſe, Decreaſe, and Length of the Days and Nights; with the Riſing, Southing, and Setting of the Planets and fixed Stars throughout the Year; whereby may be known the exact Hour of the Night at all Times, when either the Moon or Stars are ſeen.

Calculated according to Art, and referred to the Horizon of the ancient and renowned Borough Town of *Stamford* (formerly a famous Univerſity) whoſe Latitude is 52 Deg. 20 Min. fitting all the middle Counties of *ENGLAND*, and, without ſenſible Error, the whole Kingdom.

Non eſt è Terris mollis ad Aſtra Via.

By TYCHO WING, P[illegible]

LONDON:

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And ſold by ROBERT HORSFIELD, at their Hall, in Ludgate-Street.

[Price, ſtitched, TEN-PENCE.]

Common NOTES and Moveable FEASTS.

Dominical Letter -	F	Septuageſima Sund.	Jan. 27
Golden Number -	8	Shrove Sunday	Feb. 10
Epact - - -	17	Eaſter Day -	Mar. 31
Cycle of the Sun -	10	Whit-Sunday	May 19
Roman Indiction -	11	Trinity Sunday	May 26
Number of Direction -	10	Advent Sunday	Dec. 1

A CATALOGUE of the Moſt Reverend, Right Reverend, and Reverend, the Archbiſhops, Biſhops, and Deans, exerciſing Eccleſiaſtical Juriſdiction in England, 1793.

Archbiſhops.	*Deans Names.*	*Sees Names.*
Dr. John Moore	Biſhop Buller	Canterbury
Dr. Wm. Markham	Dr. John Fountayne	York
Biſhops.		
Dr. Beilby Porteus	Biſhop Pretyman	London
Hon. Dr. S. Barrington	Bp. Hinchcliffe	Durham
Hon. Dr. Br. North	Dr. Newton Ogle	Wincheſter
Sir Wm. Aſhburnham	Mr. Combe Miller	Chicheſter
Dr. Charles Moſs	Lord Fran. Seymour	Bath & Wells
Dr. John Hinchcliffe	Dr. Peter Peckard	Peterborough
Hon. Dr. James Yorke	Dr. William Cooke	Ely
Dr. John Thomas	Dr. Thomas Dampier	Rocheſter
Dr. Richard Hurd	Hon. St. And. St. John	Worceſter
Dr. John Butler	Dr. Nat. Wetherell	Hereford
Dr. John Warren	Dr. Thomas Lloyd	Bangor
Hon. Dr Js Cornwallis	Dr. Baptiſt Proby	Litchf. & Cov.
Dr. Lewis Bagot	Dr. W. D. Shipley	St. Aſaph
Dr. Richard Watſon	Dr. Rob. Price, Prec.	Landaff
Dr. Edward Smalwell	Dr. Cyril Jackſon	Oxford
Dr. Geo. Pretyman	Dr. Sir Rich. Kaye, Bt.	Lincoln
Dr. John Douglas	Dr. John Ekins	Saliſbury
Dr. William Cleaver	Dr. George Cotton	Cheſter
Dr. Samuel Horſley	Mr. Wollaſton, Prec.	St. David's
Dr. Richard Beadon	Dr. Joſiah Tucker	Glouceſter
Dr. E. V. Vernon	Dr. Iſaac Milner	Carliſle
Dr. Char. M. Sutton	Dr. Joſeph Turner	Norwich
Dr. Spencer Madan	Dr. John Hallam	Briſtol
Dr. Wm. Buller	Dr. Charles Harward	Exeter
	Biſhop Thomas	Weſtminſter
	Biſhop Cornwallis	Windſor
Mr. Claudius Crigan		Sodor & Man

A TABLE of TERMS and Returns for the Year 1793.

HILARY Term begins January 23, ends February 12.

Returns or Eſſoign Days.	Exc.	Ret.	App.	W. D.
In eight Days of St. Hilary - - Jan. 20	21	22	23	Wedneſ.
In fifteen Days of St. Hilary - - 27	28	29	30	Wedneſ
On the Mor. of the Purif. of the Bl. V. M. Feb. 3	4	5	6	Wedneſ.
In eight Days of the Purif. of the Bl. V. M. 9	10	11	12	Tueſd.

EASTER Term begins April 17, ends May 13.

In fifteen Days of Eaſter - - April 14	15	16	17	Wedn.
From Eaſter Day in three Weeks - 21	22	23	24	Wedn.
From Eaſter Day in one Month - 28	29	30	M. 1	Wedn.
From Eaſter Day in five Weeks - May 5	6	7	8	Wedn.
On the Mor. of the Aſcenſion of the Lord 10	11	12	13	Mond.

TRINITY Term begins May 31, ends June 19.

On the Morrow of the Holy Trinity May 27	28	29	31	Friday
In eight Days of the Holy Trinity - June 2	3	4	5	Wedn.
In fifteen Days of the Holy Trinity - 9	10	11	12	Wedn.
From the Day of the Holy Trinity in 3 Weeks 16	17	18	19	Wedn.

MICHAELMAS Term begins November 6, ends November 28.

On the Morrow of All Souls - Nov. 3	4	5	6	Wedn.
On the Morrow of St. Martin - 12	13	14	15	Friday
In eight Days of St. Martin - - 18	19	20	21	Thurſ.
In fifteen Days of St. Martin - - 25	26	27	28	Thurſ.

N. B. No Sittings in Weſtminſter-Hall on the Second of February, Aſcenſion-day, and Midſummer-day.

The Exchequer opens eight Days before any Term begins, except Trinity, before which it opens but Four Days.

Note, The firſt and laſt Days of every Term, are the firſt and laſt Days of Appearance.

The Names of the Learned JUDGES in the Law.

I. Commiſſioners of the Great Seal.

Sir James Eyre, Sir William Henry Aſhhurſt, Sir John Wilſon.

Right Hon. Sir Richard Pepper Arden, Knt. Maſter of the Rolls.

II. In the K. Bench. { Rt. Hon. Lord Kenyon, Lord Chief J. / Sir Wm. Henry Aſhhurſt, Knt. } Sir Naſh Groſe, Knt. / Sir Fran. Buller, Bart.

III. In the Co. Pleas. { Rt. Hon. Al. Ld. Loughborough, L. C. J. / John Heath, Eſq. } Sir H. Gould, Knt. / Sir John Wilſon, Kt.

IV. In the Exchequer. { Sir James Eyre, Knt. L. C. B. / Sir Beaumont Hotham, Knt. } Sir Alex. Thompſon, Kt. / Sir Rich. Perryn, Kt.

Sir Arch. M'Donald, Knt. Att. Gen. Sir John Scott, Knt. Sol. Gen.

The REGAL Table.

The Year, Month, and Day, when each King and Queen began to reign, accounting the Year to begin *January* 1.				Length of each Reign.			Number of Years expired since their Reigns ended.	
Kings Names	began to reign			Y.	M.	D.	end	Kings Names
William I.	1066	Oct.	14	20	10	26	400	William 1
William II.	1087	Sept.	9	12	10	24	69[illegible]	William 2
Henry I.	1100	Aug.	[illegible]	35	3	29	65[illegible]	Henry 1
Stephen	1135	Dec.	1	18	10	24	639	Stephen
Henry II.	1154	Oct.	25	34	8	11	604	Henry 2
Richard I.	1189	July	6	9	9	0	59[illegible]	Richard 1
John	1199	April	6	17	6	13	577	John
Henry III.	1210	Oct.	19	56	0	28	5[illegible]1	Henry 3
Edward I.	1272	Nov.	16	34	7	21	486	Edward 1
Edward II.	1307	July	7	19	6	18	466	Edward 2
Edward III.	1327	Jan.	25	50	4	27	416	Edward 3
Richard II.	1377	June	21	22	3	8	394	Richard 2
Henry IV.	1399	Sept.	29	13	5	20	380	Henry 4
Henry V.	1413	Mar.	20	9	5	11	371	Henry 5
Henry VI.	1422	Aug.	31	38	6	4	332	Henry 6
Edward IV.	1461	Mar.	4	22	1	5	310	Edward 4
Edward V.	1483	April	9	0	2	13	310	Edward 5
Richard III.	1483	June	22	2	2	0	308	Richard 3
Henry VII.	1485	Aug.	22	23	8	0	284	Henry 7
Henry VIII.	1509	April	22	37	9	6	246	Henry 8
Edward VI.	1547	Jan.	28	6	5	8	240	Edward 6
Q. Mary I.	1553	July	6	5	4	11	235	Q. Mary
Q. Elizabeth	1558	Nov.	17	44	4	7	190	Q. Elizabeth
James I.	1603	Mar.	24	22	0	3	168	James 1
Charles I.	1625	Mar.	27	23	10	3	144	Charles 1
Charles II.	1649	Jan.	30	36	0	7	10[illegible]	Charles 2
James II.	1685	Feb.	6	4	0	7	104	James 2
Will. 3. & M.	1689	Feb.	13	13	0	23	91	William 3
Q. Anne	1702	Mar.	8	12	4	24	79	Q. Anne
George I.	1714	Aug.	1	12	10	10	66	K. George 1
George II.	1727	June	11	33	4	14	33	K. George 2
George III.	1760	Oct.	25	Crowned Sept. 22, 1761.				

The Uſe of the following TABLE *of the Moon's Southing, to find the Time of High-Water, and the Hour of the Night.*

I. To find the Time of High-Water in moſt Parts of ENGLAND.

Take the Time of the Moon's Southing for the Day propoſed, and to that add the Hours and Minutes which ſtand againſt the Place required in the following Table of Sea-Coaſts, and the Sum will be the Time of High-Water at the Place required on that Day.

A Table of the Sea Coaſts.	H.	M.
Portſmouth, Queenborough, Southampton, - -	0	00
Rocheſter, Winchelſea, Fluſhing, - -	0	45
Downs, Graveſend, Ramkins, Guernſey, -	1	30
Denbeigh, Bell-Iſle, Holy-Iſle, Downs-Road, -	2	15
London, Tinmouth, Whitby, Hartlepool, - -	3	00
Scarborough, Berwick, Fluſhing, Staples, - -	3	45
Flamborough, Humber, Bridlington-Bay, -	4	30
Plymouth, Ramſay, Newcaſtle, Severn, -	5	15
Lynn, Foſdyke, Hull, Weymouth, Dartmouth, Croſs-Keys,	6	00
Boſton, Start-Point, Foulneſs, Briſtol-Key, -	6	45
Bridgewater, Milford Haven, Lizard, Wintertown,	7	30
Yarmouth, Iſle of Wight, the Needles, - -	8	15
Iſle of Man, Orkney, Pool, South-Foreland, -	9	10
Dover, Harwich, Orfordneſs, Bullein, - -	10	10
Rye, Solebay, Margate-Road, - -	11	15

II. To find the Hour of the Night by the Shadow of the Moon on a Sun-Dial.

1. When the Shadow falls preciſely on the Hour 12, then the Time of the Moon's Southing, found in the preceding Table is the exact Time of Night. But in other Caſes,

2. If the Shadow wants of 12, ſee how much it wants of it; which Time, ſubtracted from that of the Moon's Southing, leaves the Time of Night. *Note*, You muſt add 12 Hours to the Moon's Southing, if Need be.

3. If the Shadow has paſt 12, add the Time that it has paſt it to the Time of the Moon's Southing; the Sum will be the Time of Night required; abating 12 Hours from that Sum, if Need be.

A TABLE of the MOON's SOUTHING, of excellent Use to

M D	January h m	February h m	March h m	April h m	May h m	June h m	M D
1	2 m 46	3 m 30	2 m 15	3 m 37	4 m 27	5 m 6	1
2	3 30	4 16	3 c	4 32	5 25	6 56	2
3	4 13	5 2	3 4[illegible]	5 29	6 21	7 46	3
4	4 5[illegible]	5 51	4 40	6 26	7 15	8 36	4
5	5 41	6 43	5 33	7 23	8 8	9 25	5
6	6 27	7 38	6 2	8 1	9 c	10 15	6
7	7 15	8 36	7 27	9 15	9 51	11 5	7
8	8 7	9 36	8 25	10 9	10 42	11 55	8
9	9 3	10 37	9 23	11 2	11 32	0 a 46	9
10	10 2	11 39	10 22	11 54	0 a 23	1 35	10
11	11 3	0 a 37	11 19	0 a 47	1 15	2 23	11
12	0 a [illegible]	1 33	0 a 15	1 39	2 6	3 10	12
13	1 6	2 26	1 8	2 30	2 56	3 56	13
14	2 4	3 1[illegible]	2 1	3 21	3 45	4 40	14
15	2 59	4 8	2 52	4 12	4 33	5 23	15
16	3 52	4 57	3 43	5 1	5 19	6 5	16
17	4 42	5 46	4 33	5 4[illegible]	6 4	6 48	17
18	5 30	6 35	5 23	6 36	6 4[illegible]	7 33	18
19	6 18	7 24	6 12	7 22	7 31	8 20	19
20	7 6	8 12	7 0	8 7	8 15	9 10	20
21	7 53	8 59	7 47	8 51	9 0	10 3	21
22	8 41	9 46	8 34	9 35	9 47	11 c	22
23	9 29	10 32	9 20	10 20	10 36	11 59	23
24	10 1[illegible]	11 17	10 5	11 7	11 28	morn	24
25	11 4	morn	10 49	11 55	morn	1 0	25
26	11 50	0 1	11 33	morn	0 23	2 0	26
27	morn	0 45	morn	0 45	1 20	2 58	27
28	0 3[illegible]	1 30	0 19	1 3[illegible]	2 19	3 54	28
29	1 20		1 6	2 33	3 18	4 47	29
30	2 3		1 54	3 30	4 16	5 39	30
31	2 46		2 44		5 12		31

Spring Quarter begins	-	March	20d	3h 8m	morning.
Summer Quarter begins	-	June	21	1 10	morning.
Autumn Quarter begins	-	Sept.	22	2 58	afternoon.
Winter Quarter begins	-	Dec.	21	7 29	morning.

find the Time of High-Water, and the Hour of the Night.

M D	July h m	August h m	September h m	October h m	November h m	December h m	M D
1	6 m 28	7 m 41	8 m 59	9 m 24	10 m 19	10 m 23	1
2	7 17	8 31	9 47	10 9	11 3	11 14	2
3	8 7	9 2[illegible]	10 32	10 51	11 49	o a 5	3
4	8 56	10 9	11 17	11 35	o a 37	1 0	4
5	9 4[illegible]	10 56	o a 1	o a 19	1 26	1 58	5
6	10 3	11 43	0 44	1 4	2 21	2 55	6
7	11 25	o a 28	1 28	1 50	3 16	3 52	7
8	o a 1[illegible]	1 1[illegible]	2 11	2 39	4 12	4 47	8
9	1 c	1 56	2 56	3 30	5 8	5 40	9
10	1 46	2 39	3 43	4 23	6 4	6 31	10
11	2 31	3 21	4 32	5 17	6 58	7 21	11
12	3 14	4 5	5 24	6 13	7 51	8 11	12
13	3 5[illegible]	4 51	6 18	7 10	8 43	9 2	13
14	4 4[illegible]	5 3[illegible]	7 16	8 7	9 35	9 53	14
15	5 23	6 3[illegible]	8 15	9 2	10 27	10 45	15
16	6 8	7 24	9 13	9 57	11 19	11 37	16
17	6 55	8 21	10 11	10 52	morn	morn	17
18	7 46	9 21	11 9	11 46	0 12	0 29	18
19	8 40	10 22	morn	morn	1 6	1 20	19
20	9 3[illegible]	11 22	0 5	0 40	1 59	2 1[illegible]	20
21	10 37	morn	1 0	1 33	2 51	2 57	21
22	11 38	0 21	1 54	2 27	3 41	3 43	22
23	morn	1 1[illegible]	2 4[illegible]	3 20	4 30	4 27	23
24	0 39	2 13	3 41	4 12	5 16	5 9	24
25	1 38	3 6	4 33	5 3	6 c	5 51	25
26	2 35	3 58	5 25	5 53	6 43	6 33	26
27	3 29	4 50	6 15	6 40	7 26	7 16	27
28	4 21	5 41	7 4	7 25	8 9	8 1	28
29	5 11	6 32	7 52	8 9	8 52	8 48	29
30	6 1	7 22	8 39	8 53	9 37	9 39	30
31	6 51	8 11		9 36		10 33	31

VENUS is an Evening Star till May 27, and then a Morning Star for the rest of the Year.

JUPITER is a Morning Star till May 17, then an Evening Star till December 4, and then a Morning Star for the rest of the year.

Lunations.				M D	Jupiter rises	Venus sets
Last Quarter	5th day, at	1 afternoon		1	4 m 11	6 a 37
New Moon	12th day, at	9 morning		7	3 50	6 38
First Quarter	19th day, at	2 morning		13	3 29	6 40
Full Moon	27th day, at	5 morning		19	3 9	6 41
				25	2 49	6 43

M D	W D	Holy Days, ☉ rises & sets	☽'s Longit.	☽'s Declin.	☽ rises & sets	Aspects and Weather
1	Tu	Circumcision	26 ♌ 43	10 n 58	8 a 30	☌ ☉ ☿
2	W		8 ♍ 35	7 40	9 32	Dark and cloudy,
3	Th	☉ rises 8h 3m	20 35	4 2	10 35	with cold rain
4	F		2 ♎ 47	0 10	11 41	or sleet.
5	S	*Old Christ. day*	15 16	3 s 47	morn	
6	S	2 S. a. C. Epip.	28 7	7 40	0 48	*Twelfth Day*
7	M	*Plow Monday*	11 ♏ 26	11 19	1 57	✶ ♄ ♀, □ ♃ ♀
8	Tu	*Lucian*	25 14	14 30	3 8	
9	W		9 ♐ 32	16 55	4 21	More mild, but
10	Th	☉ sets 4h 3m	24 17	18 18	5 31	thick misty
11	F		9 ♑ 23	18 26	6 35	air.
12	S	*O. New Y. day*	24 40	17 16	☽ sets	[✶ ♀ ☿
13	S	1 S. aft. Epiph.	9 ♒ 58	14 51	6 a 1	*Hila.* C T. beg.
14	M	Oxf. T. begins	25 4	11 26	7 21	□ ☉ ♄
15	Tu	☉ rises 7h 51m	9 ♓ 51	7 22	8 40	Frost and snow
16	W		24 14	2 58	9 57	now about.
17	Th	*Old Twelfth-d.*	8 ♈ 9	1 n 28	11 10	
18	F	Q. Ch. b. d. kept	21 39	5 40	morn	*Prisca* ✶ ♄ ♂
19	S	☉ sets 4h 14m	4 ♉ 45	9 28	0 20	
20	S	2 S. af. Epiph.	17 31	12 4	1 28	*Fabian* □ ♃ ♂
21	M	*Agnes*	30 ☌	15 20	2 33	
22	Tu	*Vincent*	12 ♊ 15	17 12	3 33	
23	W	Hil. Ter. beg.	24 22	18 15	4 30	Seasonable weather,
24	Th		6 ♋ 21	18 29	5 23	
25	F	Conv. St. Paul	18 15	17 55	6 7	with frosts,
26	S	☉ rises 7h 36m	0 ♌ 6	16 3	6 46	
27	S	Septuages. Su.	11 56	14 29	☽ rises	even to
28	M	[Pr. Au. F. b.	23 46	11 48	6 a 13	
29	Tu	☉ sets 4h 29m	5 ♍ 39	8 38	7 14	the end.
30	W	K. Ch. I. mar.	17 37	5 ☌	8 17	
31	Th		29 42	1 19	9 22	

M D	Saturn Longit.	Saturn Declin.	Jupiter Longit.	Jupiter Declin.	Mars Longit.	Mars Declin.	Venus Longit.	Venus Declin.
1	25 ♈ 22	7 n 27	24 ♏ 15	17 s 57	12 ♒ 28	18 s 11	17 ♒ 48	17 s 14
7	25 27	7 30	25 18	18 12	17 11	16 46	25 5	14 45
13	25 37	7 35	26 19	18 26	21 55	15 14	2 ♓ 21	12 3
19	25 50	7 42	27 16	18 38	26 39	13 37	9 34	9 10
25	26 7	7 50	28 8	18 4	1 ♓ 23	11 56	16 43	6 9

M D	☉'s Longit	☉'s Declin.	Observations
1	11 ♑ 39	22 s 57	Pole Star south 57m. past 5 at night
2	12 41	22 52	♄ sets 23m. past 1 in the morning
3	13 42	22 45	♃ rises 57m. past 3 in the morning
4	14 43	22 39	
5	15 44	22 32	
F 6	16 45	22 25	♀ sets 20m. past 7 at night
7	17 46	22 17	♂ sets 36m. past 6 at night
8	18 48	22 9	Day breaks 52m. past 5
9	19 48	22 0	Length of day is 8h. 2m.
10	20 50	21 51	
11	21 51	21 41	Seven Stars south at 8 at night
12	22 52	21 31	☉ rises at 56m. past 7
S 13	23 53	21 21	☿ stationary
14	24 55	21 10	Pole Star south at 5 at night
15	25 56	20 59	Day breaks at 50m. past 5
16	26 57	20 47	
17	27 58	20 35	
18	28 59	20 23	
19	0 ♒ 0	20 10	☉ enters ♒ at noon
T 20	1 1	19 57	☉ sets at 14m. past 4
21	2 2	19 44	Day 8h. 16m. long
22	3 3	19 30	☽ eclipses Aldebaran at 33m. after 2 in the morning
23	4 4	19 15	
24	5 5	19 1	Greatest elongation of Mercury
25	6 6	18 46	
26	7 7	18 31	Sirius South at 10 at night
F 27	8 8	18 15	Orion's Girdle, south 43m. past 8 at night
28	9 9	17 59	Days are increased 1h. 9m.
29	10 10	17 43	Aldebaran south 33m. past 7 at night
30	11 11	17 26	
31	12 11	17 9	

Lunations.

Last Quarter 5th day, at 1 afternoon
New Moon 12th day, at 9 morning
First Quarter 19th day, at 2 morning
Full Moon 27th day, at 5 morning

M D	Jupiter rises	Venus sets
1	4 m 11	6 a 37
7	3 50	6 38
13	3 29	6 40
19	3 9	6 41
25	2 49	6 43

M D	W D	Holy Days, ☉ rises & sets	☽'s Longit.	☽'s Declin.	☽ rises & sets	Aspects and Weather
1	Tu	Circumcision	26 ♌ 43	10 n 58	8 a 30	☌ ☉ ☿
2	W		8 ♍ 35	7 40	9 32	Dark and cloudy,
3	Th	☉ rises 8h 3m	20 35	4 2	10 35	with cold rain
4	F		2 ♎ 47	0 10	11 41	or sleet.
5	S	*Old Christ. day*	15 16	3 s 47	morn	
6	F	☽ S. a. C. Epip	28 7	7 40	0 48	*Twelfth Day*
7	M	*Plow Monday*	11 ♍ 26	11 19	1 57	✶ ♄ ♀, □ ♃ ♀
8	Tu	*Lucian*	25 14	14 30	3 8	More mild, but
9	W		9 ♐ 32	16 55	4 21	thick misty
10	Th	☉ sets 4h 3m	24 17	18 18	5 31	air.
11	F		9 ♑ 23	18 26	6 35	
12	S	*O. New Y. day*	24 40	17 16	☽ sets	[✶ ♀ ☿
13	S	☽ S. aft. Epiph	9 ♒ 58	14 51	6 a 1	*Hila.* C T. beg.
14	M	Oxf. T. begins	25 4	11 26	7 21	□ ☉ ♄
15	Tu	☉ rises 7h 51m	9 ♓ 51	7 22	8 40	Frost and snow
16	W		24 14	2 58	9 57	now about.
17	Th	*Old Twelfth-d.*	8 ♈ 9	1 n 28	11 10	
18	F	Q. Ch. b. d. kept	21 39	5 40	morn	*Prisca* ✶ ♄ ♂
19	S	☉ sets 4h 14m	4 ♉ 45	9 28	0 20	
20	S	☽ S. aft. Epiph	17 31	12 4	1 28	*Fabian* □ ♃ ♂
21	M	*Agnes*	30 c	15 20	2 33	
22	Tu	*Vincent*	12 ♊ 15	17 12	3 33	
23	W	Hil. Ter. beg.	24 22	18 15	4 30	Seasonable weather,
24	Th		6 ♋ 21	18 29	5 23	
25	F	Conv. St. Paul	18 15	17 55	6 7	with frosts,
26	S	☉ rises 7h 36m	0 ♌ 6	16 3	6 46	
27	S	Septuagesi. Su	11 56	14 29	☽ rises	even to
28	M	[Pr. Au. F. b.	23 46	11 48	6 a 13	
29	Tu	☉ sets 4h 29m	5 ♍ 39	8 38	7 14	the end.
30	W	K. Ch. I. mar.	17 37	5 0	8 17	
31	Th		29 42	1 19	9 22	

D	Saturn Longit.	Declin.	Jupiter Longit.	Declin	Mars Longit.	Declin.	Venus Longit.	Declin.
1	25 ♈ 22	7 n 27	24 ♎ 15	17 s 57	12 ♒ 28	18 s 11	17 ♒ 48	17 s 14
7	25 27	7 30	25 18	18 12	17 11	16 46	25 5	14 45
13	25 37	7 35	26 19	18 26	21 55	15 14	2 ♓ 21	12 3
19	25 50	7 42	27 16	18 38	26 39	13 37	9 34	9 10
25	26 7	7 50	28 8	18 4	1 ♓ 23	11 58	16 43	6 9

D	☉'s Longit	☉'s Declin.	Observations
1	11 ♑ 39	22 s 57	Pole Star south 57m. past 5 at night
2	12 41	22 52	♄ sets 23m. past 1 in the morning
3	13 42	22 45	♃ rises 57m. past 3 in the morning
4	14 43	22 39	
5	15 44	22 32	
F	16 45	22 25	♀ sets 20m. past 7 at night
7	17 46	22 17	♂ sets 36m. past 6 at night
8	18 48	22 9	Day breaks 52m. past 5
9	19 48	22 0	Length of day is 8h. 2m.
10	20 50	21 51	
11	21 51	21 41	Seven Stars south at 8 at night
12	22 52	21 31	☉ rises at 56m. past 7
S	23 53	21 21	☿ stationary
14	24 55	21 10	Pole Star south at 5 at night
15	25 56	20 59	Day breaks at 50m. past 5
16	26 57	20 47	
17	27 58	20 35	
18	28 59	20 23	
19	0 ♒ 0	20 10	☉ enters ♒ at noon
T	1 1	19 57	☉ sets at 14m. past 4
21	2 2	19 44	Day 8h. 16m. long
22	3 3	19 30	☽ eclipses Aldebaran at 33m. after 2 in the morning
23	4 4	19 15	
24	5 5	19 1	Greatest elongation of Mercury
25	6 6	18 46	
26	7 7	18 31	Sirius South at 10 at night
F	8 8	18 15	Orion's Girdle, south 43m. past 8 at night
28	9 9	17 59	Days are increased 1h. 9m.
29	10 10	17 43	Aldebaran south 33m. past 7 at night
30	11 11	17 26	
31	12 11	17 9	

Lunations.

Last Quarter 4th day, at 4 morning
New Moon 10th day, at 7 afternoon
First Quarter 17th day, at 6 afternoon
Full Moon 25th day, at 11 night

M D	Jupiter rises	Venus sets
1	2 m 26	6 a 46
7	2 5	6 49
13	1 44	6 53
19	1 24	6 56
25	1 4	7 0

M D	W D	Holy Days, ☉ rises & sets	☽'s Longit.	☽'s Declin.	☽ rises & sets	Aspects and Weather
1	F	☉ rises 7h 26m	1 ♎ 59	2 s 34	10 a 29	Unsettled weather
2	S	Purif. Can. day	24 30	6 25	11 36	
3	F	Sexagesima S.	7 ♏ 19	10 4	morn	*Blase*
4	M		20 32	13 19	0 44	begins the
5	Tu	*Agatha*	4 ♐ 9	15 57	1 53	△ ♃ ♀
6	W		18 14	17 44	3 3	□ ♄ ☿
7	Th	☉ sets 4h 45m	2 ♑ 44	18 26	4 6	month.
8	F		17 36	17 55	5 6	✱ ♃ ☿
9	S		2 ♒ 4	16 8	5 57	Rough winds,
10	F	Quinq. Shro. S.	17 56	13 11	☽ sets	
11	M	☉ rises 7h 8m	3 ♓ 5	9 22	6 a 15	with rain or
12	Tu	Shrove Tuesd.	18 0	5 0	7 25	Hil. T. ends
13	W	Ash-Wednes.	2 ♈ 34	0 26	8 43	*Old Cand. day*
14	Th	*Valentine*	16 43	4 n 1	9 58	snow.
15	F	*Cam. T. div. n.*	0 ♉ 24	8 6	11 10	
16	S		13 39	11 39	morn	
17	F	1 Sun. in Lent	26 29	14 31	0 18	
18	M	☉ sets 5h 5m	9 ♊ 0	16 38	1 22	✱ ♀ ☿, □ ☉ ♃
19	Tu		21 14	17 56	2 22	
20	W	Ember Week	3 ♋ 16	18 25	3 15	Frosty air,
21	Th		15 10	18 3	4 3	with sleet, or some
22	F	☉ rises 6h 47m	27 0	16 56	4 44	cold rain.
23	S		8 ♌ 49	15 4	5 20	
24	F	2 S. in L. St. Mat-	20 39	12 33	5 53	
25	M	thi. Pr. A. F. b.	2 ♍ 34	9 30	☽ rises	Blustering cold
26	Tu		14 35	6 3	6 a 10	✱ ♄ ☿
27	W		26 44	2 18	7 14	winds.
28	Th	☉ sets 5h 24m	9 ♎ 2	1 s 36	8 20	□ ♃ ☿

D	Saturn Lon it.	Saturn Declin.	Jupiter Longit.	Jupiter Declin.	Mars Lon it.	Mars Declin.	Venus Longit.	Venus Declin.
1	26 ♈ 32	8 n 0	29 ♏ 4	19 s 1	6 ♓ 53	9 s 52	24 ♓ 59	2 s 32
2	26 56	8 10	29 46	19 9	11 35	8 3	1 ♈ 59	0 36
3	27 24	8 22	0 ♐ 23	19 17	16 17	6 11	8 53	3 44
4	27 55	8 34	0 54	19 22	20 58	4 18	15 42	6 49
5	28 28	8 47	1 20	19 26	25 37	2 24	22 23	9 42

D	☉'s Longit.	☉'s Declin.	Observations
1	13 ♒ 12	16 s 52	♄ sets 22m. past 11 at night
2	14 13	16 35	♃ rises 19m. past 2 in the morning
F	15 14	16 17	♀ sets 33m. past 8 at night
4	16 15	15 59	Day breaks at 27m. past 5
5	17 15	15 41	Seven Stars south 16m. past 6 at night
6	18 16	15 22	
7	19 17	15 3	
8	20 18	14 44	Days increased 1h. 48m.
9	21 18	14 25	Pole Star south 13m. past 3 in the after-
10	22 19	14 5	[noon
11	23 20	13 45	
12	24 20	13 25	☽ eclipses ♂ at 48m. after 6 in the morn.
13	25 21	13 5	
14	26 21	12 45	♂ sets 52m. past 6 at night
15	27 22	12 24	Day breaks at 8m. past 5
16	28 22	12 3	
F	29 23	11 42	
18	0 ♓ 23	11 21	☉ enters ♓ at 46m. after 2 morning
19	1 24	10 59	Day light ends at 58m. past 6
20	2 24	10 38	Length of days 10h. 18m.
21	3 24	10 16	Day is increased 2h. 36m.
22	4 25	9 54	
23	5 25	9 32	
F	6 25	9 10	Twilight ends at 8m. past 7
25	7 25	8 48	☽ eclipsed, visible at 11 at night
26	8 26	8 25	Sirius south 56m. past 7 at night
27	9 26	8 3	Day 10h. 42m. long, increased 3 hours
28	10 26	7 40	

Lunations.

Last Quarter 5th day, at 3 afternoon
New Moon 12th day, at 6 morning
First Quarter 19th day, at noon
Full Moon 27th day, at 4 afternoon

M D	Jupiter rises	Venus sets
1	0 m 50	7 a
7	0 28	7
13	0 6	7
19	11 a 43	7
25	11 20	7

M D	W D	Holy Days, ☉ rises & sets	☽'s Longit	☽'s Declin.	☽ rises & sets	Aspects and Weather
1	F	*David*	21 ♎ 31	5 s 28	9 a 27	
2	S	*Chad*	4 ♏ 14	9 10	10 36	Snow or cold
3	**P**	**3 Sun. in Lent**	17 12	12 29	11 45	☌ ♄ ♀
4	M		0 ♐ 28	15 15	morn	rain begins
5	Tu	☉ rises 6h 26m	14 2	17 15	0 52	△ ♅ ♂
6	W		27 55	18 17	1 58	this month.
7	Th	*Perpetua*	12 ♑ 8	18 13	2 58	
8	F		26 38	16 58	3 50	
9	S	☉ sets 5h 42m	11 ♒ 22	14 34	4 35	
10	**P**	**Midlent Sun.**	26 14	11 11	5 14	☌ ☉ ☿
11	M		11 ♓ 7	7 5	5 50	Dark and cloudy
12	Tu	*Gregory M.*	25 52	2 34	☽ sets	weather.
13	W		10 ♈ 24	2 n 2	7 a 36	
14	Th	☉ rises 6h 8m	24 35	6 24	8 49	
15	F		8 ♉ 22	10 17	9 59	More fine,
16	S		21 44	13 31	11 7	△ ♅ ☿
17	**P**	**5 Sun. in Lent**	4 ♊ 41	15 59	morn	*St. Patrick*
18	M	*Edw. K. W. S.*	17 17	17 36	0 14	and pleasant
19	Tu	☉ sets 6h 2m	29 33	18 21	1 13	
20	W		11 ♋ 36	18 15	2 4	for the season.
21	Th	*Benedict*	23 30	17 21	2 48	
22	F	Cam. T. ends	5 ♌ 19	15 41	3 25	
23	S	Oxf. T. ends	17 8	13 22	4 0	☌ ♂ ☿
24	**P**	**Palm Sunday**	29 1	10 28	4 30	Stormy winds,
25	M	Annu. Lady D.	11 ♍ 1	7 6	4 58	
26	Tu	☉ rises 5h 44m	23 12	3 24	5 21	with rain or
27	W		5 ♎ 34	0 s 31	☽ rises	sleet.
28	Th	*Maundy Thurs.*	18 10	4 28	7 a 24	
29	F	Good Friday	1 ♏ 0	8 17	8 34	
30	S	☉ sets 6h 24m	14 3	11 47	9 44	Unsettled.
31	**P**	**Easter Day**	27 20	14 43	10 52	

	Saturn		Jupiter		Mars		Venus	
	Longit.	Declin.	Longit.	Declin.	Longit.	Declin.	Longit.	Declin.
1	28 ♈ 51	8 n 56	1 ♐ 33	19 s 29	28 ♓ 43	1 s 8	26 ♈ 45	11 n 43
2	29 28	9 10	1 48	19 31	3 20	0 n 46	3 ♉ 10	14 28
3	0 ♉ 8	9 25	1 56	19 32	7 56	2 39	9 23	17 1
4	0 48	9 40	1 R 57	19 32	12 31	4 3	15 24	19 21
5	1 31	9 55	1 52	19 30	17 4	6 19	21 7	21 26

	☉'s Longit.	☉'s Declin.	Observations
11	♓ 26	7 s 17	Mercury is under the sun beams
12	26	6 54	♂ sets at 7 at night
13	26	6 31	♃ rises 38m. past 12 at night
14	26	6 8	♄ sets 37m. past 9 at night
15	26	5 45	Length of day 11h. 10m.
16	26	5 22	
17	26	4 58	
18	26	4 35	♀ sets 7m. past 10 at night
19	26	4 11	Day is increased 3h. 39m.
20	25	3 48	
21	25	3 24	☉ eclipsed, invisible in these parts
22	25	3 1	Cor Hydra south 45m. past 9 at night
23	25	2 37	Seven Stars sets 17m. past 12 at night
24	25	2 13	Day breaks at 16m. past 4
25	24	1 50	
26	24	1 26	
27	23	1 2	♃ stationary
28	23	0 39	♀ greatest elongation
29	22	0 15	
0	♈ 22	0 n 9	☉ enters ♈ at 8m. after 3 morning
1	21	0 32	♀ sets 39m. past 10 at night
2	21	0 56	♄ sets 45m. past 8 at night
3	20	1 20	♃ rises 31m. past 11 at night
4	19	1 43	Seven Stars sets 37m. past 11 at night
5	19	2 7	
6	18	2 30	
7	17	2 54	Daylight ends at 14m. past 8
8	16	3 17	Day breaks at 44m. past 3
9	16	3 40	☉ full east at 10m. past 6
10	15	4 4	
11	14	4 27	

Lunations.

Last Quarter 3d day, at 11 night
New Moon 10th day, at 5 afternoon
First Quarter 18th day, at 6 morning
Full Moon 26th day, at 5 morning

M D	Jupiter rises	Venus sets
1	10 a 53	7 a 2
7	10 29	7 2
13	10 4	7 3
19	9 39	7 3
25	9 14	7 4

M D	W D	Holy Days, ☉ rises & sets	☽'s Longit.	☽'s Declin.	☽ rises & sets	Aspects and Weather
1	M	Easter Monday	10 ♑ 51	16 s 56	11 a 59	
2	Tu	Easter Tuesday	24 33	18 12	morn	☌ ♄ ☿
3	W	*Richard Bp. Ch*	8 ♒ 27	18 25	1 0	Windy, with
4	Th	*St. Ambrose*	22 32	17 30	1 55	showers of
5	F	Old Lady Day	6 ♓ 45	15 29	2 42	☽ ♃ ♂
6	S	☉ rises 5h 22m	21 6	12 30	3 22	rain.
7	F	Low Sunday	5 ♈ 31	8 43	3 56	
8	M		19 58	4 25	4 28	
9	Tu	☉ sets 6h 43m	4 ♉ 20	0 n 7	4 57	Fine spring weather
10	W	Ox. & Ca. T. be.	18 33	4 35	☽ sets	
11	Th		2 ♊ 32	8 44	7 a 50	for some
12	F		16 13	12 20	9 3	
13	S	☉ rises 5h 9m	29 33	15 11	10 8	days.
14	F	2 S. aft. Easter	12 ♋ 31	17 12	11 9	
15	M		25 8	18 18	morn	
16	Tu		7 ♌ 27	18 31	0 5	Serene and
17	W	Easter Term b.	19 32	17 52	0 51	☌ ♄ ♂
18	Th	☉ sets 7h 1m	1 ♍ 26	16 26	1 32	fine, but
19	F	*Alphege*	13 16	14 18	2 8	
20	S		25 6	11 35	2 40	not without
21	F	3 S. aft. Easter	7 ♎ 1	8 21	3 8	☌ ♂ ☿
22	M		19 6	4 44	3 32	some showers,
23	Tu	St. George	1 ♏ 24	0 51	3 55	and
24	W	[Mary b.	14 0	3 s 9	4 20	☌ ☉ ♄
25	Th	St. Mark. Prs.	26 53	7 7	4 46	☌ ♄ ☿, ☌ ☉
26	F	☉ rises 4h 45m	10 ♐ 4	10 49	☽ rises	
27	S		23 33	14 2	8 a 46	claps of
28	F	4 Sun. af. Easter	7 ♑ 16	16 33	9 55	thunder.
29	M		21 10	18 8	11 1	
30	Tu	☉ sets 7h 23m	5 ♒ 12	18 38	11 58	Windy and wet

M D	Saturn Longit.	Saturn Declin.	Jupiter Longit.	Jupiter Declin.	Mars Longit.	Mars Declin.	Venus Longit.	Venus Declin.
1	2 ♉ 22	10 n 13	1 ♐ 38	19 s 27	22 ♈ 21	8 n 23	27 ♉ 21	23 n 31
7	3 6	10 29	1 18	19 23	26 51	10 5	2 ♊ 13	24 57
13	3 52	10 45	0 53	19 17	1 ♉ 18	11 44	6 33	26 5
19	4 38	11 0	0 22	19 10	5 44	13 18	10 13	26 54
25	5 24	11 16	29 ♏ 46	19 3	10 9	14 47	13 1	27 22

M D	☉'s Longit.	☉'s Declin.	Observations
1	12 ♈ 13	4 n 50	♀ sets 8m. past 11 at night
2	13 12	5 13	♀ south at 51m. after 2 afternoon
3	14 11	5 36	♄ sets 5m. past 8 at night
4	15 10	5 59	
5	16 9	6 21	☿ greatest elongation, and sets 2h. and
6	17 8	6 44	[1m. after the sun
F	18 7	7 7	
8	19 5	7 29	♃ rises 26m. past 10 at night
9	20 4	7 51	♃ south at 41m. past 2 morning
10	21 3	8 13	Day breaks at 9m. past 3
11	22 2	8 35	
12	23 1	8 57	
13	23 59	9 19	☽ eclipses a fixed star at 7 at night
14	24 58	9 40	
15	25 56	10 2	☿ stationary, parallel with the sun
16	26 55	10 23	Br. foot of Orion sets 44m. past 8 night
17	27 54	10 44	
18	28 52	11 5	
19	29 51	11 26	☉ enters ♉ at 51m. after 3 afternoon
20	0 ♉ 49	11 46	Daylight ends at 19m. past 9
F	1 47	12 6	Seven Stars sets 54m. past 9 at night
22	2 46	12 27	Great Dog sets 11m. past 9 at night
23	3 44	12 47	
24	4 42	13 6	
25	5 41	13 26	♄, ♂, and ☿ are under the sun-beams
26	6 39	13 45	
27	7 37	14 4	
F	8 35	14 23	♃ rises at 9 at night
29	9 33	14 41	♃ south 19m. past 1 in the morning
30	10 32	15 0	☉ due east at 49m. past 6

Lunations.	M D	Jupiter rises	Venus sets
Last Quarter 3d day, at 4 morning	1	8 a 48	7 a 42
New Moon 10th day, at 4 morning	7	8 21	7 43
First Quarter 18th day, at 1 morning	13	7 54	7 44
Full Moon 25th day, at 4 afternoon	19	7 26	7 45
	25	6 58	7 45

M D	W D	Holy Days, ☉ rises & sets	☽'s Longit.	☽'s Declin.	☽ rises & sets	Aspects and Weather
1	W	St. Phil. & Jam.	19♑18	18 s 0	morn	
2	Th	☉ rises 4h 34m	3♒27	16 14	0 49	May begins cold,
3	F	*Inv. of the Cr.*	17 35	13 29	1 29	as it often
4	S		1♓43	9 56	2 5	does.
5	☽	Rogation Sun.	15 48	5 50	2 37	
6	M	*7. Ev. a. P. L.*	29 49	1 25	3 6	
7	Tu		13♈45	3 n 2	3 32	Seasonable
8	W	☉ sets 7h 36m	27 33	7 17	4 0	and more
9	Th	*Asc. Ho. Thu.*	11♉10	11 6	4 28	warm.
10	F		24 34	14 16	☽ sets	
11	S	☉ rises 4h 19m	7♊41	16 39	9 a 6	
12	☽	S. af. Ascenſi.	20 31	18 9	9 59	*Old May Day*
13	M	Easter T. ends	3♋3	18 43	10 49	♂ ☉ ♂
14	Tu		15 20	18 23	11 34	
15	W		27 23	17 13	morn	Some thunder
16	Th	Oxford T. e.	9♌17	15 19	0 12	ſhowers may now
17	F	☉ sets 7h 50m	21 7	12 46	0 44	☿ ☉ ♃
18	S		2♍56	9 42	1 12	☿ ♃ ♂
19	☽	Wh. S. Q. C. b.	14 52	6 13	1 37	*Dunſtan*
20	M	Whit Monday	26 59	2 25	2 1	be expected.
21	Tu	Whit Tueſday	9♎22	1 s 34	2 25	
22	W	Ember W. Prs.	22 5	5 34	2 49	
23	Th	[Eliz. b.	5♏11	9 28	3 14	Briſk winds,
24	F	☉ rises 4h 1m	18 40	12 56	3 44	♂ ♄ ☿
25	S		2♐30	15 49	☽ rises	with
26	☽	Trinity Sund.	16 39	17 50	8 a 48	*Auguſtine Abp.*
27	M	*Venerable Bede*	1♑0	18 45	9 51	♂ ☉ ♀
28	Tu	☉ sets 8h 4m	15 27	18 28	10 45	ſhowers of
29	W	K. Cha. II. reſt.	29 55	16 59	11 31	Oxf. Term be.
30	Th	*Corpus Chriſti*	14♒18	14 25	morn	♂ ♂ ♀
31	F	Term begins	28 34	11 1	0 9	rain.

D M	Saturn Long.	Saturn Declin.	Jupiter Long.	Jupiter Declin.	Mars Long.	Mars Declin.	Venus Long.	Venus Declin.
1	6 ♉ 10	11 n 31	29 ♍ 5	18 s 54	14 ♉ 30	16 n 10	14 ♊ 45	27 n 29
7	6 55	11 46	28 22	18 45	18 50	17 29	15 ♋ 13	27 12
13	7 41	12 1	27 37	18 35	23 8	18 41	14 16	26 27
19	8 26	12 14	27 0	18 25	27 25	19 46	11 55	25 12
25	9 9	12 28	26 6	18 15	1 ♊ 40	20 44	8 31	23 28

D M	Sun's Longit.	Sun's Declin.	Observations			
1	11 ♉ 30	15 n 18	☿ sets at	11	3	Night.
2	12 28	15 36	♃ rises at	8	45	Night.
3	13 26	15 53	Day breaks at	2	0	Morn.
4	14 24	16 11				
F	15 22	16 28	☿ Stationary.			
6	16 20	16 44	Day is increased	7	21	
7	17 18	17 1				
8	18 16	17 17	♂ Stationary.			
9	19 14	17 33	Twilight ends at	10	36	
10	20 12	17 49	Length of day	15	20	
11	21 10	18 4	♂ rises at	3	52	Morn.
F	22 7	18 19				
13	23 5	18 34	Length of day is	15	28	
14	24 3	18 48	Length of night	8	30	
15	25 1	19 2				
16	25 59	19 16				
17	26 56	19 30				
18	27 54	19 43	♃ shines gloriously all night.			
F	28 52	19 56				
20	29 49	20 8	☉ enters ♊ at	4	26	Aftern.
21	0 ♊ 47	20 20				
22	1 45	20 32	♂ greatest elongation, and			
23	2 42	20 43	Rises 37 m. before the sun.			
24	3 40	20 54	♄ rises at	3	11	Morn.
25	4 37	21 5	☿ under the Sun-beams.			
F	5 35	21 15	♃ south	11	20	night.
27	6 32	21 25				
28	7 30	21 35				
29	8 27	21 44	Day is increased	8	26	
30	9 25	21 53	☉ due east at	7	16	
31	10 22	22 2				

Lunations

Last Quarter the 1st day, at 10 morning.
New Moon the 8th day, at 3 afternoon.
First Quarter the 16th day, at 6 afternoon.
Full Moon the 23d day, at midnight.
Last Quarter the 30th day, at 3 afternoon.

M D	Jupiter sets	Venus rises
1	3 m22	3 m34
7	2 55	3 23
13	2 29	3 12
19	2 3	3 1
25	1 37	2 51

M D	W D	Holy-Days Sun rises & sets	Moon's Longit.	Moon's Declin.	☽ rises & sets	Aspects and Weather
1	S	Nicomede	12 ♓ 40	7 s 0	0m 43	Showers begin
2	F	1 S. aft. Tri.	26 35	2 39	1 10	this month,
3	M	☉ rises 3 51	10 ♈ 21	1 n 47	1 36	which indicates
4	T	K. Geo. III. b.	23 56	6 4	2 3	
5	W	Fr. Ern. A. b.	7 ♉ 21	9 59	2 29	Boniface.
6	T		20 34	13 21	3 0	
7	F	☉ sets 8 12	3 ♊ 36	16 0	3 33	a fine growing
8	S		16 25	17 49	☽ sets	♂ ♀ ☿
9	F	2 S. af. Trin.	29 0	18 44	8 a 40	time.
10	M		11 ♋ 22	18 44	9 27	
11	T	St. Barnabas	23 32	17 52	10 7	
12	W		5 ♌ 31	16 12	10 42	Pleasant
13	T	☉ rises 3 44	17 22	13 52	11 13	weather now
14	F		29 10	10 58	11 38	about.
15	S	☉ sets 8 16	10 ♍ 58	7 38	morn	
16	F	3 S. af. Trin.	22 53	3 57	0 3	
17	M	St. Alban.	5 ♎ 0	0 4	0 24	♂ ♂ ☿
18	T		17 23	3 s 54	0 47	Hot, perhaps
19	W	Trin. T. ends	0 ♏ 8	7 49	1 11	some claps of
20	T	T. E. K. W. S.	13 19	11 29	1 37	
21	F	Longest Day	26 56	14 40	2 8	thunder.
22	S		10 ♐ 59	17 7	2 45	
23	F	4 S. af. Trin.	25 25	18 33	☽ rises	
24	M	Nat. of J. Bap.	10 ♑ 7	18 47	8 a 32	Midsum. Day.
25	T	☿ rises 3 43	24 58	17 45	9 22	[♂ ☉ ☿
26	W		9 ♒ 49	15 30	10 3	Fruitful
27	T	☉ sets 8 16	24 33	12 15	10 39	showers at
28	F		9 ♓ 4	8 17	11 9	* ♄ ☿
29	S	St. Peter	23 20	3 55	11 37	
30	F	5 S. af. Trin.	7 ♈ 17	0 n 35	morn	the end.

D M	Saturn Long.	Saturn Decl.	Jupiter Long.	Jupiter Declin.	Mars Long.	Mars Decl.	Venus Long.	Venus Declin.
1	9 ♉ 59	12 n 43	25 ♍ 15	18 s 5	6 ♊ 35	21 n 43	4 ♊ 11	21 n 6
7	10 40	12 55	24 34	17 56	10 46	22 25	1 6	19 11
13	11 19	13 7	23 57	17 48	14 55	23 1	29 ♉ 14	17 42
19	11 56	13 18	23 24	17 41	19 2	23 28	28 D 44	16 45
25	12 32	13 28	22 56	17 35	23 7	23 49	29 37	16 24

D M	Sun's Longit.	Sun's Declin.	Observations	h.	m.	
1	11 ♊ 19	22 n 10	No real night, but			
F	12 17	22 17	All day or twilight.	h.	m.	
3	13 14	22 25	rises at	3	6	Morn.
4	14 12	22 32	♄ rises at	2	29	Morn.
5	15 9	22 38	♃ south, at	10	32	Night.
6	16 6	22 44				
7	17 4	22 50				
8	18 1	22 55				
F	18 59	23 0	Seven Stars rise at	2	6	Morn.
10	19 56	23 5	Antares south at	11	0	Night.
11	20 53	23 9	Length of day is	16	30	
12	21 51	23 13				
13	22 48	23 16	Day is increased	8	48	
14	23 45	23 19	Sun due east at	7	20	
15	24 42	23 21	Clock with the sun.			
F	25 40	23 24				
17	26 37	23 25	Venus stationary.			
18	27 34	23 26	No real night, but			
19	28 31	23 27	All day or twilight.			
20	29 29	23 28				
21	0 ♋ 26	23 28	Sun enters ♋ at	1	10	Morn.
22	1 23	23 27	♃ south at	9	16	Night.
F	2 20	23 27	♃ sets at	1	39	Morn.
24	3 17	23 25	♄ rises at	1	11	Morn.
25	4 15	23 24	☿ rises at	2	0	Morn.
26	5 12	23 22				
27	6 9	23 19				
28	7 6	23 16	Longest day at Stamford	16	36	
29	8 3	23 13	Sun due east at	7	20	
F	9 0	23 9	Day is decreased	0	4	

Lunations

New Moon 8th day, at 5 morning.
First Quarter the 16th day, at 9 morning.
Full Moon the 23d day, at 7 morning.
Last quarter the 29th day, at 11 at night.

M D	Jupiter sets	Venus rises
1	1m 11	2m 42
7	0 45	2 36
13	0 19	2 30
19	11 a 53	2 24
25	11 28	2 18

D M	W D	Holy-Days Sun rises & sets	Moon's Longit.	Moon's Declin.	☽ rises & sets.	Aspects and Weather
1	M	☉ rises 3 46	20 ♈ 58	4 n 57	om 3	Fine weather
2	T	Visitat. V. M.	4 ♉ 21	8 58	0 29	Camb. com.
3	W	Dog-Days be.	17 30	12 28	0 58	begins this
4	T	Tr. St. Mart.	0 ♊ 25	15 19	1 29	
5	F	Ca. T. ends.	13 8	17 22	2 4	Old Midsum.
6	S		25 38	18 33	2 45	month.
7	F	6 S. af. Trin.	7 ♋ 58	18 51	3 29	Tho. à Becket
8	M	Oxford Act	20 7	18 15	☽ sets	
9	T		2 ♌ 7	16 51	8 a 38	Some flying
10	W	Sun sets 8 8	14 0	14 44	9 9	
11	T		25 48	12 0	9 36	✶ ☿ ☿
12	F		7 ♍ 34	8 48	10 2	showers
13	S	Oxf. T. ends	19 23	5 15	10 25	near this
14	F	7 S. af. Trin.	1 ♎ 17	1 28	10 47	time.
15	M	Swithin.	13 23	2 s 26	11 10	□ ♄ ☿
16	T		25 45	6 19	11 35	
17	W	Sun rises 3 59	8 ♏ 28	10 1	morn	Hot and
18	T		21 36	13 20	0 3	sultry, with
19	F	Sun sets 7 58	5 ♐ 12	16 5	0 37	rain at
20	S	Margaret	19 16	17 59	1 17	□ ♅ ☿
21	F	8 S. af. Trin.	3 ♑ 46	18 47	2 5	intervals.
22	M	Magdalen.	18 37	18 21	3 5	
23	T		3 ♒ 41	16 36	☽ rises	
24	W	Sun rises 4 8	18 50	13 42	8 a 32	
25	T	St. James	3 ♓ 53	9 53	9 7	More pleasant,
26	F	St. Anne	18 42	5 30	9 36	but not
27	S		3 ♈ 12	0 54	10 4	✶ ♄ ♂
28	F	9 S. af. Trin.	17 20	3 n 38	10 32	without thun-
29	M		1 ♉ 5	7 51	10 59	
30	T	Sun sets 7 43	14 27	11 33	11 31	der-claps.
31	W		27 29	14 35	morn	

D	Saturn		Jupiter		Mars		Venus	
M	Long.	Decl.	Long.	Decl.	Long.	Decl.	Long.	Decl.
1	13 ♉ 5	13 n 36	22 ♍ 34	17 s 31	27 ♊ 12	24 n 1	1 ♊ 40	16 n 28
7	13 36	13 44	22 18	17 28	1 ♋ 14	24 6	4 41	16 52
13	14 3	13 51	22 9	17 27	5 15	24 3	8 29	17 29
19	14 28	13 58	22D 6	17 28	9 14	23 53	12 53	18 12
25	14 50	14 3	22 10	17 30	13 12	23 36	17 46	18 56

M D	Sun's Longit.	Sun's Declin.	Obſervations		
1	9 ♌ 58	23 n 5	Day is decreaſed	0 5	
2	10 55	23 1	♃ ſouth at	8 33	Night.
3	11 52	22 56	♃ ſets at	1 0	Morn.
4	12 49	22 51	♄ riſes at	12 32	Night.
5	13 47	22 45	☿ ſets at	9 0	Night.
6	14 44	22 39			
F	15 41	22 32			
8	16 38	22 26	♀ riſes at	1 27	Morn.
9	17 35	22 18	♂ riſes at	2 33	Morn.
10	18 33	22 11	☉ due eaſt at	7 16	
11	19 30	22 3	Day is decreaſed	0 20	
12	20 27	21 54	No real night, but		
13	21 24	21 46	All day or twilight.		
F	22 22	21 36			
15	23 19	21 27			
16	24 16	21 17			
17	25 14	21 7	♃ ſets at	12 0	Night.
18	26 11	20 56	♃ ſtationary.		
19	27 8	20 45	Length of day	15 56	
20	28 5	20 34			
F	29 3	20 22			
22	30 0	20 10	Sun enters ♌ at	12 4	Noon.
23	0 ♌ 57	19 58	☿ with Cor Leonis.		
24	1 54	19 45	☿ ſets at	8 48	Night.
25	2 52	19 32	Day is decreaſed	0 54	
26	3 49	19 19			
27	4 46	19 5			
F	5 44	18 51	♀ riſes at	1 0	Morn.
29	6 41	18 37			
30	7 39	18 23	☽ eclipſes, a ſmall fixed		
31	8 36	18 8	ſtar, at	1 12	

Lunations

New Moon the 6th day, at 8 afternoon.
First Quarter 14th day, at 9 night.
Full Moon 21st day, at 3 afternoon.
Last Quarter the 28th day, at 9 morning.

M D	Jupiter sets	Venus rises
1	11 a 2	2m 13
7	10 40	2 12
13	10 18	2 10
19	9 57	2 9
25	9 36	2 8

M D	W D	Holy-Days ☉ rises & sets	Moon's Longit.	Moon's Declin.	☽ rises & sets	Aspects and Weather
1	T	Lammas day	10♊14	10 n 50	5m	Good harvest
2	F		22 43	18 15	0 44	
3	S	Sun rises 4 23	4♋59	18 46	1 26	weather begins
4	S	10 S. af. Trin.	17 5	18 26	2 16	
5	M		29 4	17 16	3 9	the month.
6	T	Transfigurat.	10♌56	15 21	☽ sets	
7	W	Prs. Ameliab.	22 45	12 48	7 a 34	Name of Jesus.
8	T	Sun sets 7 29	4♍31	9 44	8 7	△ ♃ ♂, □ ☉ ♄
9	F		16 19	6 17	8 30	Wind and rain
10	S	St Lawrence	28 10	2 34	8 54	[Do. Da. e.
11	S	11 S. af. Trin.	10♎7	1 s 17	9 15	Prs. Brunswick.
12	M	Pr. of Wales b.	22 16	5 8	9 40	Old Lammas day
13	T	Sun rises 4 40	4♍38	8 49	10 6	△ ♄ ☿
14	W		17 19	12 13	10 36	now about.
15	T	Assumption	0♐23	15 6	11 12	□ ☉ ♃
16	F	D. of York b.	13 51	17 17	11 55	
17	S		27 47	18 31	morn	Thunder storms
18	S	12 S. af. Trin.	12♑8	18 39	0 49	
19	M	Sun sets 7 9	26 54	17 31	1 52	in some places.
20	T		11♒56	15 9	3 4	
21	W	D. of Clare. b.	27 8	11 43	☽ rises	△ ♄ ☿
22	T		12♓19	7 29	7 a 38	✱ ♀ ☿
23	F		27 21	2 50	8 8	✱ ♄ ♀
24	S	St. Bartholo.	12♈5	1 n 54	8 37	Windy, with
25	S	13 S. af. Trin.	26 26	6 24	9 5	
26	M	Sun rises 5 4	10♉21	10 24	9 36	flying showers,
27	T		23 49	13 43	10 10	
28	W	St. Augustin	6♊53	16 15	10 48	even to the
29	T	Beh. J. Bapt.	19 34	17 55	11 30	☌ ☉ ☿
30	F		1♋57	18 41	morn	△ ♃ ♀ end.
31	S	Sun sets 6 47	14 6	18 34	0 16	

D M	Saturn Long.	Saturn Decl.	Jupiter Long.	Jupiter Decl.	Mars Long.	Mars Decl.	Venus Long.	Venus Decl.
1	15 ♉ 11	14 n 8	22 ♍ 22	17 s 35	17 ♎ 48	23 n 7	23 ♊ 58	19 n 41
7	15 26	14 11	22 41	17 41	21 43	22 36	29 37	20 10
13	15 37	14 12	23 5	17 49	25 36	21 59	5 ♎ 31	20 26
19	15 45	14 13	23 34	17 58	29 28	21 16	11 38	20 28
25	15 47	14 13	24 9	18 8	3 ♌ 18	20 27	17 56	20 13

D M	Sun's Longit.	Sun's Declin.	Observations			
1	9 ♌ 34	17 n 53				
2	10 31	17 37	☿ greateſt elongation.			
3	11 28	17 21	☿ ſets at	8	18	Night.
F	12 26	17 5	Day is decreaſed	1	24	
5	13 24	16 49				
6	14 21	16 33	♀ greateſt elongation.			
7	15 19	16 16	♄ riſes at	10	24	Night.
8	16 16	15 59	♃ ſets at	10	34	Night.
9	17 14	15 41	♂ riſes at	2	11	Morn.
10	18 12	15 24	♀ riſes at	12	54	Night.
F	19 9	15 6	☿ ſets at	7	55	Night.
12	20 7	14 48				
13	21 5	14 29				
14	22 2	14 11	☽ eclipſes a ſmall fixed			
15	23 0	13 52	ſtar, at	9	15	Night.
16	23 58	13 33				
17	24 55	13 14	☿ ſtationary.			
F	25 53	12 54	♀ riſes at	1	0	Morn.
19	26 51	12 35	Day is decreaſed	2	16	
20	27 49	12 15				
21	28 47	11 55	☽ eclipſed inviſible.			
22	29 44	11 34	Sun enters ♍ at	6	28	Aftern.
23	0 ♍ 42	11 14				
24	1 40	10 53	Day breaks at	2	47	
F	2 38	10 33	☉ due eaſt at	6	35	Aftern.
26	3 36	10 12				
27	4 34	9 51	☽ eclipſes a ſmall			
28	5 32	9 29	ſtar at	4	0	Morn.
29	6 30	9 8				
30	7 28	8 47	☿ under the ſun-beams.			
31	8 26	8 25	Clock with ſun.			

Lunations

New Moon the 5th day, at noon.
First Quarter the 13 day, at 8 morning.
Full Moon the 19th day, at 11 night.
Last Quarter the 26th day, at midnight.

M D	Jupiter sets	Venu rises
1	9 a 13	2m 7
7	8 53	2 7
13	8 33	2 7
19	8 14	2 7
25	7 55	2 7

M D	W D	Holy Days ☉ rises & sets	Moon's Longit.	Moon's Declin.	☽ rises & sets	Aspects and Weather
1	F	14 S. af. Trin.	26♋ 4	17 n 37	1 m 9	Giles.
2	M	Lon. bt. 1666	7♌56	15 53	2 5	This month
3	T		19 43	13 30	3 4	also begins
4	W	Sun rises 5 21	1♍30	10 33	4 6	pretty fine,
5	T		13 19	7 11	☽ sets	
6	F		25 11	3 31	7 a 6	for those
7	S	Enurchus.	7♎10	0 s 20	7 29	
8	F	15 S. af. Trin.	19 17	4 12	7 52	Nat. B. V. M.
9	M		1♏34	7 56	8 18	that have
10	T	Sun sets 6 28	14 3	11 23	8 47	not done
11	W		26 4	14 23	9 18	harvest.
12	T		9♐51	16 44	9 58	
13	F	☉ rises 5 38	23 14	18 15	10 47	□ ♄ ♂
14	S		6♑59	18 46	11 43	
15	F	16 S. af. Trin	21 6	18 8	morn	Some rain
16	M		5♒35	16 18	0 51	now, if not
17	T	Lambert.	20 21	13 22	2 5	thunder also.
18	W	Ember Week	5♓20	9 30	3 25	□ ♄ ♀
19	T		20 25	5 1	☽ rises	
20	F	☉ sets 6 8	5♈25	0 13	6 a 42	Unsettled,
21	S	St. Matthew	20 14	4 n 30	7 12	with
22	F	17 S. af. Trin.	4♉42	8 52	7 43	K. Geo. III. cr.
23	M		18 45	12 35	8 16	[△ ♄ ☿
24	T	Sun rises 6 0	2♊21	15 31	8 52	more showers,
25	W	Holy Cross.	15 31	17 32	9 34	☌ ♂ ♀
26	T	St. Cyprian	28 15	18 37	10 21	
27	F		10♋38	18 45	11 12	and rough
28	S	☉ sets 5 52	22 45	18 1	morn	winds.
29	F	18 S. Tr. Mic.	4♌40	16 29	0 7	Prs. Royal born
30	M	St. Jerome.	16 29	14 15	1 6	□ ♃ ♀
						Fine.

D	Saturn		Jupiter		Mars		Venus	
M	Long.	Decl.	Long.	Decl.	Long.	Decl.	Long.	Decl.
1	15 ♉ 47	14 n 11	24 ♍ 56	18 s 20	7 ♌ 45	19 n 25	25 ♎ 29	19 n 34
7	15 42	14 8	25 43	18 32	11 33	18 26	2 ♌ 7	18 30
13	15 33	14 5	26 33	18 45	15 19	17 23	8 51	17 26
19	15 20	14 0	27 28	18 59	19 4	16 17	15 41	15 56
25	15 5	13 54	28 29	19 14	22 47	15 8	22 37	14 8

D	Sun's Longit	Sun's Declin.	Observations
F	9 ♍ 25	8 n 3	On the 5th day of this month, in the
2	10 23	7 41	morning, about 11 o'clock, there hap-
3	11 21	7 19	pens a remarkable eclipse of the sun.
4	12 19	6 57	
5	13 18	6 34	*How to behold perfectly an eclipse of the sun*
6	14 16	6 12	*without hurt to the eyes.*
7	15 14	5 49	
F	16 13	5 27	Take a burning-glass, or a spectacle-
9	17 11	5 4	glass, such as are for the eldest sight, and
10	18 9	4 41	hold this glass in the sun, as if you
11	19 8	4 18	would burn with it, against a paste-
12	20 6	3 55	board or white paper book, or such like,
13	21 5	3 32	and draw the glass from the board or
14	22 3	3 9	book, twice the space or distance, as you
F	23 2	2 46	would do if you intended to burn with it;
16	24 1	2 23	so by direct holding of it nearer or fur-
17	24 59	2 0	ther, as you shall see best, you may be-
18	25 58	1 36	hold upon your white paste-board, paper
19	26 57	1 13	or book, the round body of the sun, and
20	27 55	0 50	how the moon passeth between the earth
21	28 54	0 26	and the sun, during all the time of the
F	29 53	0 3	eclipse.
23	0 ♎ 52	0 s 21	
24	1 50	0 44	
25	2 49	1 7	
26	3 48	1 31	Day breaks at 4 6
27	4 47	1 54	Day is decreased 4 45
28	5 46	2 18	
F	6 45	2 41	Twilight ends at 7 46
30	7 44	3 4	♃ sets at 7 37 Night.

Lunations

M D	Jupiter sets	Venus rises
1	7 a 36	2 m 7
7	7 16	2 6
13	6 57	2 5
19	6 38	2 3
25	6 19	2 0

New Moon the 5th day, at 5 morning.
First Quarter the 12th day, at 5 afternoon.
Full Moon the 19th day, at 9 morning.
Last Quarter the 26th day, at 6 afternoon.

M D	W D	Holy-Days ☉ rises & sets	Moon's Longit.	Moon's Declin.	☽ rises & sets	Aspects and Weather
1	T	Remigius	28♌15	11 n 27	2 m 6	✶ ♃ ♀
2	W		10♍3	8 10	3 10	Windy weather
3	T	Sun rises 6 18	21 56	4 32	4 12	now about.
4	F		3♎57	0 41	5 15	
5	S		16 8	3 s 14	☽ sets	
6	F	19 S. af. Trin.	28 29	7 5	6 a 31	Faith
7	M		11♏2	10 40	6 58	Fine, temperate,
8	T	☉ sets 5 32	23 47	13 50	7 29	□ ♃ ♂
9	W	St. Denys.	6♐45	16 22	8 7	
10	T	Ox.&Ca.T.b	19 57	18 6	8 52	Old Mich. day.
11	F		3♑22	18 53	9 43	and good
12	S		17 3	18 34	10 44	
13	F	20 S. af. Trin.	0♒59	17 8	11 52	Tr. K. Ed. Con.
14	M		15 10	14 37	morn	[△ ♄ ♀, ☌ ☉ ☿
15	T	Sun r ses 6 41	29 35	11 10	1 9	weather now
16	W	i	14♓12	6 59	2 28	for the farmers
17	T	Etheldred	28 55	2 21	3 47	wheat seed-
18	F	St. Luke.	13♈39	2 n 26	5 9	time.
19	S	Sun sets 5 11	28 15	7 1	☽ rises	
20	F	21 S. af. Trin.	12♉38	11 7	6 a 16	
21	M		26 41	14 30	6 52	Frosty mornings,
22	T		10♊19	16 59	7 33	with windy
23	W	Sun rises 6 56	23 31	18 29	8 17	
24	T		6♋19	18 59	9 7	
25	F	K. Geo. III. a.	18 45	18 32	10 3	Crispin.
26	S	K. Geo. III. pr.	0♌54	17 14	11 0	☍ ♄ ☿, ✶ ♂ ☿
27	F	22 S. af. Trin.	12 49	15 12	11 59	cold weather.
28	M	St. Sim. & Jud.	24 38	12 32	morn	△ ♄ ♂
29	T		6♍25	9 21	1 2	
30	W	☉ sets 4 51	18 15	5 48	2 5	✶ ♃ ♀
31	T		0♎13	1 58	3 9	

M	Saturn		Jupiter		Mars		Venus	
D	Long.	Decl.	Long	Decl.	Long.	Decl.	Long.	Decl.
1	14 ♑ 46	13 n 48	29 ♏ 29	19 s. 28	26 ♌ 29	13 n 56	29 ♌ 38	12 n 6
7	14 24	13 41	0 ♐ 35	19 42	0 ♍ 9	12 41	6 ♍ 43	9 49
13	13 59	13 33	1 43	19 57	3 48	11 25	13 52	7 22
19	13 33	13 25	2 55	20 12	7 25	10 7	21 6	4 46
25	13 5	13 16	4 8	20 27	11 1	8 48	28 21	2 3

M	Sun's		Sun's		Observations			
D	Longit.		Declin.					
1	♎ 8	43	3 s	28	in ☌ with Cor Leonis.			
2	9	43	3	51	rises at	7	0	Night.
3	10	42	4	14	♃ sets at	7	27	Night.
4	11	41	4	38	♂ rises at	2	9	Morn.
5	12	40	5	1	☿ rises at	2	46	Morn.
F	13	40	5	24				
7	14	39	5	47				
8	15	38	6	10	Day is decreased	5	28	
9	16	38	6	33	Day breaks at	4	35	
10	17	37	6	55	☉ rises at	6	30	
11	18	37	7	18	Length of day	10	54	
12	19	36	7	41				
F	20	36	8	3	☿ under the sun-beams.			
14	21	35	8	25				
15	22	35	8	48	Twilight ends at	7	12	
16	23	34	9	10	Seven stars south at	2	0	Morn.
17	24	34	9	32	Aldebaran south at	2	52	Morn.
18	25	34	9	54				
19	26	33	10	15				
F	27	33	10	37				
21	28	33	10	58	Day breaks at	4	58	
22	29	33	11	19	Sun enters ♏ at	10	56	Night.
23	0 ♏	33	11	40	♄ south at	1	0	Morn.
24	1	32	12	1	♃ sets at	6	21	Night.
25	2	32	12	22	♂ rises at	2	0	Morn.
26	3	32	12	43	☿ rises at	3	43	Morn.
F	4	32	13	3				
28	5	32	13	23				
29	6	32	13	43	Day 9 h. 44 m. long, decr. 6 h. 50 m.			
30	7	33	14	2				
31	8	33	14	22				

Lunations

New Moon the 3d day at 8 night.
First Quarter the 11th day, at 1 morning.
Full Moon the 17th day, at 9 night.
Last Quarter the 25th day, at 3 afternoon.

M D	Jupiter sets	Venus rises
1	5 a 57	1m 58
7	5 37	1 54
13	5 17	1 49
19	4 57	1 43
25	4 36	1 37

M D	W D	Holy-Days ☉ rises & sets	Moon's Longit.	Moon's Declin.	☽ rises & sets	Aspects and Weather
1	F	All Saints	12♎22	1 s 59	4 m13	
2	S	Pr. Edward b.	24 46	5 57	5 18	All Souls.
3	F	23 S. af. Trin.	7♏24	9 43	☽ sets	Prs. Sophia born
4	M	K. William la.	20 18	13 7	5 a 32	[8 ☉ ♄
5	T	Powder Plot	3♐25	15 55	6 8	Cold rain
6	W	Leon. Ter. b.	16 46	17 56	6 50	now about.
7	T	☉ sets 4 36	0♑17	18 59	7 41	
8	F	Prs. Aug. S. b.	13 58	18 57	8 40	Frosty, with
9	S	Ld. May. day	27 46	17 47	9 45	
10	F	24 S. af. Trin.	11♒42	15 33	10 58	some sleet.
11	M	St. Martin.	25 44	12 23	morn	
12	T	Ca. T. div. m.	29♓53	8 28	0 13	♂ ♃ ☿
13	W	Britius.	24 7	4 2	1 29	
14	T		8♈25	0 n 38	2 48	Cloudy weather,
15	F	Machutus.	22 42	5 15	4 5	with some
16	S		6♉55	9 33	5 23	
17	F	25 S. af. Trin.	20 58	13 16	☽ rises	Hugh Bp. Lin.
18	M	☉ rises 7 41	4♊46	16 11	5 a 24	showers.
19	T		18 15	18 10	6 6	
20	W	Edm. K. & M.	1♋22	19 6	6 54	
21	T	☉ sets 4 15	14 9	19 2	7 46	Blustering
22	F	Cecilia.	26 35	18 3	8 44	Old Martin. day
23	S	St. Clement.	8♌44	16 14	9 44	winds, with
24	F	26 S. af. Trin.	20 41	13 44	10 44	
25	M	D. of Glou. b.	2♍30	10 42	11 46	Catherine.
26	T	☉ rises 7 52	14 18	7 15	morn	cold rain or
27	W		26 9	3 30	0 50	
28	T	Mic. T. ends.	8♎10	0 s 27	1 54	♂ ♄ ☿
29	F	☉ sets 4 5	20 24	4 26	2 58	sleet at the
30	S	St. Andrew	2♏56	8 20	4 4	end.

D	Saturn		Jupiter		Mars		Venus	
M	Long.	Decl.	Long.	Decl.	Long.	Decl.	Long.	Decl.
1	12 ♉ 32	13 n 7	5 ♐ 36	20 s 43	15 ♑ 10	7 n 15	6 ♎ 54	1 s 13
7	12 3	12 58	6 54	20 58	18 41	5 55	14 17	4 2
13	11 34	12 50	8 13	21 11	22 10	4 35	21 41	6 50
19	11 6	12 42	9 33	21 24	25 37	3 15	29 6	9 33
25	10 39	12 34	10 53	21 36	29 2	1 55	6 ♏ 33	12 9

D	Sun's	Sun's	Observations		
M	Longit.	Declin.			
1	9 ♏ 33	14 s 41	♄ south at	12 13	Night.
2	10 33	15 0	♃ sets at	5 51	Aftern.
F	11 33	15 19			
4	12 34	15 37	♄ shines all night.		
5	13 34	15 56	☿ rises at	1 56	Morn.
6	14 34	16 14	♀ rises at	4 20	Morn.
7	15 35	16 31	Length of day is	9 12	
8	16 35	16 49	Day is decreased	7 24	
9	17 35	17 6			
F	18 36	17 23			
11	19 36	17 39			
12	20 37	17 55	Seven Stars south at	12 22	Night.
13	21 37	18 11	Day breaks at	5 33	
14	22 38	18 27	Twilight ends at	6 26	
15	23 38	18 42	Aldebaran south at	1 0	Morn.
16	24 39	18 57	Length of night	15 14	
F	25 39	19 12			
18	26 40	19 26			
19	27 41	19 40	♂ rises at	1 44	Morn.
20	28 41	19 53	♀ rises at	4 56	Morn.
21	29 42	20 6	☉ enters ♐ at	7 8	Night.
22	0 ♐ 43	20 19	♃ sets at	4 45	Aftern.
23	1 43	20 32	♄ sets at	5 49	Morn.
F	2 44	20 44			
25	3 45	20 55			
26	4 46	21 7			
27	5 47	21 17	☿ greatest elongation,		
28	6 47	21 28	and sets 1 h. after the sun.		
29	7 48	21 38	♄ south at	10 9	Night.
30	8 49	21 48			

Lunations

New moon the 3d day, at 11 morning.
First quarter the 10th day, at 8 morning.
Full moon the 17th day, at 11 morning.
Last quarter the 25th day, at 1 afternoon.

M D	Jupiter rises	Venus rises
1	8 m 18	1 m 29
7	7 51	1 22
13	7 31	1 14
19	7 10	1 5
25	6 49	0 56

M D	W D	Holy-Days ☉ rises & sets	Moon's Longit	Moon's Declin.	☽ rises & sets	Aspects and Weather
1	F	Advent Sund.	15 ♍ 48	11 s 57	5 m 11	
2	M		29 0	15 4	6 22	Seasonable
3	T	☉ rises 7 59	12 ♎ 30	17 28	☽ sets	and whole-
4	W		26 17	18 54	5 a 25	☌ ☉ ♃
5	T	☉ sets 3 59	10 ♏ 15	19 15	6 23	some
6	F	Nicholas	24 21	18 23	7 28	winds.
7	S		8 ♐ 30	16 23	8 39	
8	F	2 Sund. Adv.	22 40	13 23	9 55	Concep. V. M.
9	M		6 ♑ 49	9 37	11 12	
10	T		20 54	5 18	morn	Temperate
11	W	☉ rises 8 5	4 ♒ 56	0 44	0 28	and fine.
12	T		18 54	3 n 51	1 42	
13	F	Lucy	2 ♓ 47	8 12	2 56	
14	S		16 32	12 4	4 10	Now more
15	F	3 Sund. Adv.	0 ♉ 8	15 16	5 23	
16	M	Cam. T ends.	13 32	17 36	6 30	O. Sap. ☌ ☉ ☿
17	T	Oxf. T. ends.	26 41	18 57	☽ rises	windy, with
18	W	Ember Week	9 ♈ 31	19 18	5 a 19	
19	T		22 11	18 40	6 17	rain or sleet.
20	F	☉ sets 3 52	4 ♊ 31	17 9	7 16	
21	S	St. Thomas	16 38	14 53	8 1*	Shortest day.
22	F	4 Sund. Adv.	28 34	12 0	9 21	Cold winds,
23	M	☉ rises 8 8	10 ♋ 23	8 41	10 23	
24	T		22 10	5 1	11 26	☌ ♃ ☿
25	W	Christmas-d.	4 ♌ 2	1 9	morn	with frost
26	T	St. Stephen	16 2	2 s 48	0 28	✶ ☌ ♀
27	F	St. John	28 17	6 43	1 33	☌ ♀ ☿
28	S	Innocents	10 ♍ 50	10 26	2 38	☌ ♃ ♀
29	F	Sun. aft. Chr.	23 46	13 46	3 46	
30	M	☉ sets 3 55	7 ♎ 6	16 31	4 54	and snow.
31	T	Silvester	20 51	18 26	6 2	

D M	Saturn Long.	Decl.	Jupiter Long.	Decl.	Mars Long.	Decl.	Venus Long.	Decl.
1	10 ♉ 15	12 n 28	12 ♐ 15	21 s 48	2 ♑ 22	0 n 37	14 ♍ 1	14 s 36
7	9 53	12 22	13 36	21 59	5 40	0 s 40	21 31	16 49
13	9 34	12 17	14 57	22 9	8 55	1 55	29 1	18 47
19	9 18	12 14	16 18	22 18	12 5	3 7	6 ♐ 31	20 27
25	9 6	12 12	17 38	22 27	15 12	4 16	14 2	21 45

D M	Sun's Longit.	Sun's Declin.	Observations		
F	9 ♐ 50	21 s 57	♃ is hid under the sun-beams, then		
2	10 51	22 6	becomes oriental, and a morning star.		
3	11 52	22 14			
4	12 53	22 22			
5	13 54	22 30	☿ sets at	5 0	Aftern.
6	14 55	22 37	☿ stationary.		
7	15 56	22 43	♄ south at	9 33	Night.
F	16 57	22 49	♂ rises at	1 22	Morn.
9	17 58	22 55	♀ rises at	5 50	Morn.
10	18 59	23 0			
11	20 0	23 5			
12	21 2	23 10	Day is decreased	8 45	
13	22 3	23 13	Length of day	7 48	
14	23 4	23 17	Twilight ends at	6 0	
F	24 5	23 20	☽ eclipses Aldebaran at	12 12	Night.
16	25 6	23 22			
17	26 7	23 24			
18	27 8	23 26			
19	28 9	23 27	Day breaks at	6 0	
20	29 10	23 28	Durat. of twilight	2 8	
21	0 ♑ 12	23 28	☉ enters ♑ at	7 29	Morn.
F	1 13	23 27	Seven Stars south at	9 30	Night.
23	2 14	23 27	♄ south at	8 19	Night.
24	3 15	23 25	♂ rises at	1 0	Morn.
25	4 16	23 24	♀ rises at	6 30	Morn.
26	5 17	23 21			
27	6 19	23 19	☿ stationary.		
28	7 20	23 16	☿ rises at	6 16	Morn.
F	8 21	23 12			
30	9 22	23 8	♃ rises at	6 28	Morn.
31	10 23	23 3	Aldebaran south at	9 38	Night.

The Eclipses of Jupiter's

January				February				March				April			
Immersions				Immersions				Immersions				Immersions			
d.	h.	m.	s.	d.	h.	m.	s	d.	h.	m.	s.	d.	h.	m.	s
1	22	4	51	2*	18	24	57	1	7	31	36	2	4	11	29
3	16	32	22	4	12	53	4	3	2	0	21	3	22	40	27
5	10	59	54	6	7	21	18	4	20	29	6	5	17	9	23
7	5	27	28	8	1	49	33	6*	14	57	53	7	11	38	19
8	23	55	3	9	20	17	50	8	9	26	42	9	6	7	1
10*	18	22	39	11	14	46	10	10	3	55	32	11	0	36	13
12	12	50	19	13	9	14	32	11	22	24	23	12	19	5	8
14	7	17	57	15	3	42	58	13*	16	53	14	14*	13	34	3
16	1	45	39	16	22	11	24	15	11	22	6	16	8	2	58
17	20	13	23	18*	16	39	54	17	5	51	0	18	2	31	52
19	14	41	11	20	11	8	26	19	0	19	55	19	21	0	46
21	9	8	59	22	5	37	0	20	18	48	51	21*	15	29	39
23	3	36	52	24	0	5	36	22*	13	17	47	23	9	58	31
24	22	4	46	25	18	34	15	24	7	46	44	25	4	27	21
26*	16	32	42	27	13	2	55	26	2	15	42	26	22	56	9
28	11	0	42					27	20	44	40	28	17	24	56
30	5	28	45					29*	15	13	36	30*	11	53	43
31	23	56	5					31	9	42	32				

May				June				July				August			
Emersions				Emersions				Emersions				Emersions			
2	6	22	29	1*	10	36	7	1	12	38	34	2*	9	14	33
4	0	51	12	3	5	4	32	3	7	7	2	4	3	43	30
5	19	19	54	4	23	32	56	5	1	35	31	5	22	12	30
7*	13	48	36	6	18	1	18	6	20	4	0	7	16	41	30
9	8	17	18	8*	12	29	42	8	14	32	30	9	11	10	33
11	2	45	57	10	6	58	3	10	9	1	1	11	5	39	37
12	21	14	34	12	1	26	25	12	3	29	35	13	0	8	41
14	15	43	10	13	19	54	4	13	21	58	10	14	18	37	47
16*	10	11	47	15	14	23	6	15	16	26	47	16	13	6	56
Emersions				17	8	51	26	17*	10	55	26	18	7	36	6
18	6	48	20	19	3	19	47	19	5	24	7	20	2	5	18
20	1	16	52	20	21	48	8	20	23	52	49	21	20	34	31
21	19	45	23	22	16	16	31	22	18	21	32	23	15	3	45
23*	14	13	54	24*	10	44	55	24	12	50	18	25	9	33	0
25	8	42	24	26	5	13	19	26	7	19	5	27	4	2	16
27	3	10	53	27	23	41	43	28	1	47	54	28	22	31	34
28	21	39	19	29	18	10	9	29	20	16	45	30	17	0	53
30	16	7	41					31	14	45	38				

First Satellite for 1793.

September				October				November	December
Emerſions				Emerſions					
d.	h.	m	s.	d.	h.	m.	s.		
1	11	30	13	1	13	48	46		
3	5	59	33	3	8	18	0		
5	0	28	52	5	2	47	12	The Satellites of *Jupiter* will not be viſible this Month, *Jupiter* being too near the Sun.	The Eclipſes of *Jupiter*'s Satellites will not be viſible this Month, *Jupiter* being too near the Sun.
6	18	58	13	6	21	16	22		
8	13	27	34	8	15	45	31		
10	7	56	56	10	10	14	39		
12	2	26	17	12	4	43	45		
13	20	55	39	13	23	12	48		
15	15	24	59	15	17	41	50		
17	9	54	20	17	12	10	49		
19	4	23	40	19	6	39	45		
20	22	53	1	21	1	8	39		
22	17	22	21	22	19	37	31		
24	11	51	40	24	14	6	21		
26	6	20	59	26	8	35	8		
28	0	50	16	28	3	3	53		
29	19	19	32	29	21	32	36		
				31	16	1	17		

N. B. Thoſe marked with an aſteriſk are viſible at Greenwich.

To illuſtrate the Uſe of the preceding Table by an Example.

Suppoſe on the 26th Day of September this Year, the Time of the Immerſion of Jupiter's firſt Satellite be obſerved by a Teleſcope in an unknown Meridian, to happen at 8 h. 9 min. 19 ſeconds; I find by the Table, that the Time of this Immerſion will happen at the Britiſh Obſervatory at 6 h. 20 min. 59 ſec. the ſame Day: The Difference of the Times is 1 h. 48 min. 20 ſec. which being converted into Degrees and Minutes of the Equator, at the Rate of 15 Degrees per Hour, will make 27 deg. 5 min. the Longitude of the Place of Obſervation to the Eaſt; becauſe the Time is more than that at the Britiſh Obſervatory.

Immerſion obſerved		8h	9m 19s
Immerſion at *Greenwich*		6	20 59
The Difference of Time		1	48 20
Anſwering to		27°	5′ 0″

Days	Long.	Declin.	Long.	Declin.	Long.	Declin.
1	11 ♑ 44	20 s 18	19 ♑ 43	22 s 14	2 ♓ 55	12 s 25
4	7 49	20 3	23 41	22 0	8 20	10 20
7	4 48	20 3	27 51	21 34	13 54	8 3
10	3 12	20 15	2 ♒ 10	20 57	19 39	5 35
13	2 D 59	20 37	6 38	20 8	25 32	2 57
16	3 57	21 3	11 15	19 8	1 ♈ 31	0 11
19	5 49	21 29	16 0	17 55	7 32	2 n 39
22	8 20	21 52	20 54	16 31	13 29	5 29
25	11 21	22 8	25 57	14 54	19 11	8 14
28	14 45	22 17	1 ♓ 9	13 5	24 29	10 46
1	0 ♉ 36	13 n 39	2 ♉ 4	11 n 32	18 ♉ 48	14 n 48
4	4 18	15 22	0 49	10 21	23 18	16 23
7	7 9	16 36	0 D 12	9 30	28 13	18 0
10	9 1	17 24	0 16	9 2	3 ♊ 31	19 36
13	9 57	17 41	1 0	8 55	9 12	21 7
16	9 R 57	17 28	2 22	9 8	15 13	22 21
19	9 8	16 48	4 21	9 41	21 33	23 33
22	7 39	15 44	6 54	10 32	28 2	24 18
25	5 46	14 23	9 57	11 37	4 ♋ 35	24 38
28	3 49	12 56	13 27	12 52	11 5	24 34
1	17 25	24 n 5	6 ♍ 47	7 n 59	7 ♍ 7	5 n 32
4	23 31	23 15	9 46	6 22	4 38	7 13
7	29 22	22 6	12 16	4 53	3 4	8 41
10	4 ♌ 55	20 41	14 15	3 36	2 D 44	9 41
13	10 12	19 11	15 40	2 35	3 47	10 8
16	15 11	17 30	16 21	1 53	6 9	9 56
19	19 54	15 44	16 R 14	1 32	9 38	9 9
22	24 19	13 55	15 15	1 41	13 56	7 50
25	28 26	12 6	13 25	2 19	18 48	6 8
28	2 ♍ 14	10 18	10 53	3 27	23 59	4 8
1	29 ♍ 18	1 n 58	20 ♎ 50	19 s 5	0 ♑ 4	25 s 27
4	4 ♎ 39	0 s 18	25 21	20 33	2 39	24 57
7	9 57	2 35	29 54	21 51	3 R 17	24 17
10	15 11	4 52	4 ♐ 20	22 58	2 19	23 27
13	20 26	7 6	8 41	23 56	29 ♐ 40	22 28
16	25 27	9 16	12 57	24 43	25 49	21 27
19	0 ♎ 19	11 21	17 6	25 17	21 47	20 33
22	5 11	13 20	21 4	25 39	18 43	19 59
25	9 58	15 12	24 46	25 48	17 9	19 47
28	14 40	16 58	28 5	25 45	17 D 8	20 0

January
February
March
April
May
June
July
August
September
October
November
December

Equation of Time to the nearest Minute.

Day	Jan ſub	Feb ſub	Mar ſub	Apr ſub	May add	June add	July ſub	Aug ſub	Sept add	Oct add	Nov add	Dec add	Day
	min	m	m	m	m	m	m	m	m	m	m	m	
1	4	14	12	4	3	3	3	6	0	11	16	10	1
2	4	14	12	3	3	2	4	6	1	11	16	10	2
3	5	14	12	3	3	2	4	6	1	11	16	9	3
4	5	14	12	3	4	2	4	6	1	11	16	9	4
5	6	14	12	2	4	2	4	6	2	12	16	9	5
6	6	15	11	2	4	2	4	5	2	12	16	8	6
7	7	15	11	2	4	1	5	5	2	12	16	8	7
8	7	15	11	2	4	1	5	5	3	13	16	7	8
9	8	15	11	1	4	1	5	5	3	13	16	7	9
10	8	15	10	1	4	1	5	5	3	13	16	6	10
11	8	15	10	1	4	1	5	5	4	13	16	6	11
12	9	15	10	1	4	0	5	5	4	14	15	5	12
13	9	15	9	0	4	0	5	4	4	14	15	5	13
14	10	15	9	0	4	0	5	4	5	14	15	4	14
15	10	15	9	add	4	sub	6	4	5	14	15	4	15
16	10	14	9	0	4	0	6	4	6	15	15	4	16
17	11	14	8	1	4	1	6	4	6	15	15	3	17
18	11	14	8	1	4	1	6	3	6	15	14	3	18
19	11	14	8	1	4	1	6	3	7	15	14	2	19
20	11	14	7	1	4	1	6	3	7	15	14	2	20
21	12	14	7	2	4	1	6	3	7	15	14	1	21
22	12	14	7	2	4	2	6	2	8	16	13	1	22
23	12	14	6	2	4	2	6	2	8	16	13	0	23
24	13	14	6	2	4	2	6	2	8	16	13	sub	24
25	13	13	6	2	3	2	6	2	9	16	12	1	25
26	13	13	6	3	3	2	6	1	9	16	12	1	26
27	13	13	5	3	3	3	6	1	9	16	12	2	27
28	13	13	5	3	3	3	6	1	10	16	11	2	28
29	14		5	3	3	3	6	0	10	16	11	3	29
30	14		4	3	3	3	6	0	10	16	11	3	30
31	14		4		3		6	add		16		4	31

If the equal or clock time be given, add or ſubtract the tabular numbers to or from it, as directed in the table; the ſum or difference will be the apparent or ſolar time. But do the contrary to reduce the apparent to equal time.

A Compendious Chronology of memorable Things since the Creation to this present Year.

A.P.J.	*before Christ.*		*Years since.*
710	4004	The Creation of the World	5797
1766	2948	*Noah* born	4741
2366	2348	*Noah*'s Flood began	4141
2481	2233	The *Babylonian* Monarchy eſtabliſhed	4026
2718	1996	*Abraham* born	3789
2986	1728	*Joſeph* ſold into *Egypt*	3521
3143	1571	*Moſes* born	3364
3223	1491	The *Iſraelites* Departure out of *Egypt*	3284
3530	1184	*Troy* taken and deſtroyed by the *Greeks*	2977
3710	1004	*Solomon*'s Temple built and dedicated	2796
4126	588	*Jeruſalem* and the Temple deſtroyed	2381
4176	538	*Daniel* delivered from the Den of Lions	2331
4198	516	The Temple of *Jeruſalem* rebuilt	2309
4391	323	The Death of *Alexander the Great*	2116
4710	4	The true Year of *Chriſt*'s Birth	1797
4714	0	The vulgar Year of *Chriſt*'s Birth	1793

A.D		
33	The Paſſion and Reſurrection of *Jeſus Chriſt*	1760
70	*Jeruſalem* and the Temple deſtroyed by *Titus*	1723
100	St. *John*, the laſt of the Apoſtles, dies *Dec.* 20.	1693
313	Chriſtianity triumphs under *Conſtantine*	1480
476	*Auguſtulus*, the laſt *Roman* Emperor, depoſed	1317
606	The wicked *Phocas* makes Pope *Boniface* Head of the Church	1187
608	*Mahomet* broaches his Impoſture at *Mecca*	1185
872	*Italy* and *Rome* plundered by the *Saracens*	921
1012	*Swain* King of *Denmark* conquers *England*	781
1066	*William* Duke of *Normandy* conquers *England*	727
1110	Arts and Sciences taught in *Cambridge*	683
1119	The firſt War between the *French* and *Engliſh*	574
1300	The Mariners Compaſs invented	493
1330	The *Canaries* diſcovered by an *Engliſh* Ship	463
1380	Gunpowder and the Uſe of Guns firſt found out	413
1453	*Conſtantinople* taken from the *Chriſtians*	340

A.D.		Years since.
1463	The *Perſians* conquered by *Tamerlane*	330
1500	*Rome* plundered by the Duke of *Bourbon*	293
1517	*Martin Luther* firſt diſputed againſt Popery	275
1536	*England* ſeparated from the Church of *Rome*	257
1588	The *Spaniſh Armada* defeated by the *Engliſh*	203
1603	Q. *Eliz.* dies *March* 24, and K. *James* I. began	190
1604	Died of the Plague in *London*, in 2 Years, 68,596	189
1605	Gunpowder Treaſon, *Nov.* 5.	188
1613	The New River Water brought to *London*	180
1618	The excellent Sir *Walter Raleigh* beheaded	175
1625	K. *James* I. died, King *Charles* I. began, *Mar.* 27.	168
1625	35,417 Perſons died of the Plague in *London*	168
1641	The cruel *Iriſh* Maſſacre began, *October* 23.	152
1643	*Burleigh Houſe* ſtormed by *Cromwel*, *July* 24.	150
1649	K. *Charles* I. beheaded, *January* 30.	144
1658	*Oliver Cromwell* died.	135
1660	K. *Charles* II. reſtored, *May* 29.	133
1665	68,586 Perſons died of the Plague in *London*	128
1666	*London* burnt, and a great Sea-Fight with the *Dutch*	127
1672	War declared againſt the *Dutch*, *March* 17.	121
1674	A great Snow for 11 Days together	119
1675	The Town of *Northampton* burnt, *Sept.* 3.	118
1680	A great and ſplendid Comet appeared	113
1684	The great Froſt that held 13 Weeks	109
1685	K. *Charles* II. died, *Feb.* 6. and K. *James* II. began	108
1685	The Duke of *Monmouth* beheaded, *July* 15.	108
1688	Seven Biſhops ſent to the *Tower*, *June* 8.	105
1688	K. *James* II. abdicated, *December* 12.	105
1689	K. *William* and Q. *Mary* crowned, *April* 11.	104
1692	The *French* Fleet entirely defeated by the *Engliſh*	101
1698	*Whitehall* Palace deſtroyed by Fire.	95
1702	K. *William* died, *March* 8, and Q. *Anne* began	91
1702	Q. *Anne* proclaimed War againſt *France*, *May* 4.	91
1703	A great and terrible Wind, *Nov.* 26 and 27.	90
1704	*Gibraltar* taken by the *Engliſh*	89
1707	*England* and *Scotland* united, *May* 1.	86
1710	Riots and great Diſturbances in *England*.	83
1714	Q. *Anne* died *Auguſt* 1. and K. *George* I. began	79

A.D.		Years since.
1715	A Rebellion in *Scotland* and *Lancaſhire* ſuppreſſed	78
1716	A great Froſt in the Beginning of this Year	77
1718	The *Spaniſh* Fleet deſtroyed by Admiral *Byng*.	75
1719	A ſurprizing Meteor ſeen, *March* 19, at 8 at Night	74
1719	Mr. *Flamſteed*, a celebrated Aſtronomer died *Dec.* 31.	74
1727	The incomparable Sir *Iſaac Newton*, died *Mar.* 20.	66
1727	K. *George* I. died, *June* 11, and K. *George* II. began	66
1736	The Prince and Princeſs of *Wales* married, *Ap.* 27.	57
1739	Letters of Marque publiſhed in *London* againſt the *Spaniards*, *July* 16.	54
1739	War declared by *Great Britain* againſt *Spain*.	54
1739	*Porto-Bello* taken and deſtroyed by Admiral *Vernon*.	54
1740	A very ſevere Froſt from *Dec.* 25, to *Feb.* 27.	53
1742	A Comet appeared from *Feb.* 18, to *March* 14.	51
1743	A ſplendid Comet appeared from *December* 23, to *February* 18, in ♈	50
1744	*March* 4, *France* declared War againſt *England*; and *March* 31, *England* declared War againſt *France*.	49
1745	*Cape Breton* taken from the *French*, *June* 16.	48
1746	The *Scotch* Rebels defeated by the Duke of *Cumberland*, at *Culloden*, near *Inverneſs*, *April* 16.	47
1748	A General Peace ſigned *October* 7.	45
1749	*Cape Breton* reſtored to the *French*.	44
1750	The *Britiſh* Fiſhery eſtabliſhed.	43
1751	The Prince of *Wales* died *March* 20.	42
1752	The Date and Calendar altered.	41
1755	*Liſbon* deſtroyed by an Earthquake, *Nov.* 1.	38
1756	*England* declared War againſt *France*, *May* 18.	37
1756	The Iſland *Minorca* taken by the *French*, *June* 27.	37
1757	Count *Brown* defeated by the King of *Pruſſia* near *Prague*, *May* 6.	36
1757	The King of *Pruſſia* defeated by Count *Daun* at *Collin*, *June* 18.	36
1758	The *French* defeat at *Crevelt* by P. *Ferdinand*, *June* 23	35
1758	Lord *Howe* ſlain, *July* 6, and Gen. *Abercrombie* repulſed at *Ticonderoga*, *July* 8.	35
1758	*Cape Breton* taken by the *Engliſh*, *July* 26.	35

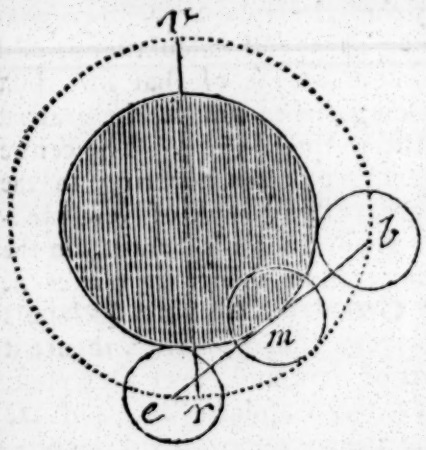
A.D.		Years since.
1758	The *Ruſſians* defeated at *Zorndorff* by the King of *Pruſſia*, *Sept.* 25.	35
1759	The Iſland of *Guadalupe* taken by Gen. *Barrington* and Commodore *Moore*, *May* 1.	34
1759	The *French* defeat. at *Minden* by P. *Ferdinand*, *Aug.* 1.	34
1759	The King of *Pruſſia* defeated at *Cunnerſdorff* by the Count *de Soltikoff*, *Auguſt* 12.	34
1759	Gen *Wolfe* ſlain, though victorious, *Sept.* 13, and *Quebec* taken *Sept.* 18, by Gen. *Townſhend*.	34
1760	*Montreal* taken by Gen. *Amherſt*, *Sept.* 8.	33
1760	K. *Geo.* II. died *Oct.* 25, and *Geo* III. ſucceeded.	33
1761	*Pondicherry* taken by Col. *Coote*, *Jan.* 15.	32
1761	K. *George* III. married Q. *Charlotte*, *Sept.* 8.	32
1761	K. *George* III. crowned, *Sept.* 22.	32
1762	The Iſland of *Martinico* taken by Gen. *Monckton* and Adm. *Rodney*, *Feb.* 14.	31
1762	*George* Prince of *Wales* born, *Auguſt* 12.	31
1762	The *Havannah* taken by Lord *Albemarle* and Sir *George Pocock*, *Auguſt* 12.	31
1763	A general Peace in all *Europe*.	30
1763	Pr. *Frederick*, Biſhop of *Oſnaburgh*, born *Aug.* 16.	30
1765	Prince *William-Henry* born *Auguſt* 21.	28
1766	Princeſs *Charlotte-Auguſta-Matilda* born *Sept.* 29.	27
1767	Prince *Edward* born *Nov.* 2.	26
1768	Princeſs *Auguſta-Sophia* born *Nov.* 8.	25
1770	Princeſs *Elizabeth* born *May* 22.	23
1771	Prince *Erneſt-Auguſtus* born *June* 5.	22
1772	*Swedes* reſign their Liberties to the King.	21
1773	Prince *Auguſtus-Frederick* born *Jan.* 27.	20
1773	The Light Gold recoined.	20
1774	Prince *Adolphus Frederick* born *Feb.* 24.	19
1775	War commenced againſt the *North-Americans*.	18
1776	Princeſs *Mary* born *April* 25.	17
1776	The *Americans* declare themſelves independent.	17
1777	Princeſs *Sophia* born *Nov.* 3.	16
1778	The *French* ſign a Treaty with the *Americans*.	15
1778	War begun againſt the *French*.	15
1779	War commenced againſt the *Spaniards*.	14
1780	War againſt the *Dutch* begun.	13
1783	A general Peace.	10
1783	Princeſs *Amelia* born	10

A.D.		Years since.
1783	New Volcanic Iſland appeared near *Iceland*	10
1783	More than 40,000 People periſh by Earthquakes in *Italy*	10
1783	Peace with *France*, *Spain*, and *America*, concluded *Sept.* 3.	10
1784	A general Peace concluded, *July* 2.	9
1784	Seventeen Diſtricts in *Iceland* deſolated, by a ſubterraneous Fire	9
1786	Commercial Treaty with *France* ſigned *Sept.* 26.	7
1788	His Majeſty *George* III. ſeized with a dangerous Diſorder.	5
1789	*April* 23, the King, Royal Family, &c. went in State to St. *Paul*'s, being a Day of General Thankſgiving for His Majeſty's Recovery	4
1789	Revolution in *France*, the *Baſtile* demoliſhed, and arbitrary Government deſtroyed	4
1790	*Joſeph* II. Emperor of *Germany* died *Feb.* 20.	3
1790	*Henry Frederick*, Duke of *Cumberland*, died *Sept.* 18.	3
1792	*Leopold*, Emperor of *Germany*, died *March* 1.	1
1792	*Guſtavus*, King of *Sweden*, ſhot by one of his ſubjects, *March* 16.	1
	———————, died *March* 29.	1
1792	War declared by *France* againſt the King of *Bohemia* and *Hungary*, *April*.	1
1792	The *French* Monarchy altered to a Commonwealth, *Sept.*	1

An account of the Eclipses, and some other Astronomical Appearances in the Year 1793.

TWICE this year will the sun's radiant disk be eclipsed by the interposition of the moon's dark body; and twice also will the moon be in part deprived of her borrowed light, by this earthly globe passing between the sun and her.

The first is a partial eclipse of the moon, and visible to us if clouds interpose not; it happens on Monday the 25th day of February, at night. At the middle of this eclipse, the moon will be vertical in 7 deg. 59 min. of north latitude, and 18 deg. 42 min. of east longitude from Greenwich Observatory. Consequently this eclipse will be visible quite through all Africa and Europe, and the greatest part of Asia; but to the inhabitants of America, only part will be visible, as the moon will rise eclipsed with them. The time and manner of appearance, with respect to us in Great Britain, may be expected to agree with the following exact type and calculation.



Apparent time of the

	d.	h.	m.
Beginning, Feb.	25	9	24
Middle		10	45
End of eclipse		12	6

Digits eclipsed 6° 0′ 0″

v, r, a vertical circle; b, m, e, the way of the moon.

The second is an invisible eclipse of the sun, on Tuesday the 12th day of March; the ecliptic conjunction happens at 57 min. after 5 in the morning, when the sun and moon's longitude is in ♓ 22° 10′. The moon's true latitude is 39′ 40″ S. The sun will be centrally eclipsed on the meridian at our 28 min. after 5 in the morning, in longitude 98 deg. east from Greenwich, and latitude 46 deg. 30 min. south. This eclipse will be total, but not with continuance, the apparent diameters of the sun and moon being nearly equal. This eclipse will be visible to New Holland, and

and all along the eaſtern coaſt thereof, called New South Wales.

The third is another partial eclipſe of the moon, on Wedneſday the 21ſt day of Auguſt. It begins at 29 minutes after 1 in the afternoon; and the eclipſe will be quite over at 17 min. after 4 o'clock, app. time. But as the moon will not riſe with us until near 7 o'clock, this eclipſe of courſe muſt be inviſible. Digits eclipſed are 8 and 41 min. on the moon's lower limb. At the middle of this eclipſe (which is at 53 min. after 2) the moon will be vertical to Arnheim's land, on the northern coaſt of New Holland, about 100 leagues to the ſouth-weſt of Endeavour Straits, under 11 deg. 14 min. ſouth latitude, 136 deg. 40 min. eaſt of Greenwich. This eclipſe will be viſible to all the unknown ſouthern parts of the world, quite round the Pole itſelf; alſo to New Zealand, New Holland, and all along the eaſtern coaſt thereof, called New South Wales, which is of 2000 miles extent.

The fourth and laſt of theſe eclipſes is a great and viſible eclipſe of the ſun, on Thurſday the 5th day of September (near noon) according to the following type and calculations; and is the moſt eminent and remarkable eclipſe of that ſort, that will be ſeen in England for a long time; and is the greateſt we have had ſince that on the 1ſt of April, 1764. The centre of the lunar penumbra in this eclipſe, after hovering in the air ſome little while, over the great fiſhing bank of Newfoundland; it lands upon our globe near Hudſon's Straits, in the northern parts of Hudſon's Bay; from thence it makes its way to the ſouthern parts of Greenland (leaving Iceland a little to the north) over the Weſtern Iſlands,; from thence it traverſes over the northern parts of Scotland, over Denmark, Sweden, and Poland, towards the Caſpian Sea, and the northern parts of Perſia, where it enters the Mogul empire, and there the central eclipſe quits this globe with the ſetting ſun; the whole penumbra leaves the earth, and the whole eclipſe will be ſeen to end as the ſun ſets, and this will happen in the Indian Sea, a little more than 300 miles from the ſouthern coaſt of Arabia, near the iſland of Socotra.

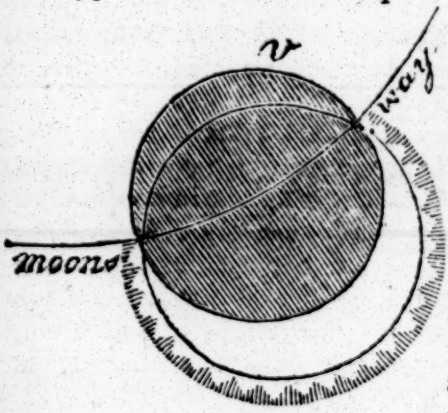
The moon's apparent diameter at the time of this eclipſe will be leſs than the apparent diameter of the ſun; therefore, this eclipſe, where central, will not be total, but the ſpectators all along the central track, will be entertained with a beauti-

ful

ful ring of light quite round the ſun, of near half a digit in breadth. In the ſouthern parts of this kingdom, the ſun will be eclipſed about nine digits and a half, but in more northern ſituations the defect is greater; inſomuch, that in the northern parts of Scotland, where it is annular, it amounts to 11 digits and 34 minutes, very near.

The following delineation or type, adapted to Greenwich, near London, may, without ſenſible error, ſerve all parts of theſe kingdoms ſouth of the track of annular appearance, the quantity of light only excepted.

The Type at the middle of eclipſe.



Apparent time at Greenwich.

	d.	h.	m.	
Beg. Sep.	5	9	37	} Morn.
Middle		11	9	
End of eclipſe	12	44		
Duration		3	7	
Digits eclipſed	9° 28′			

Note,—v, repreſents the ſun's uppermoſt point; in the curve, *moon's way*, ſhews the way of the moon over the ſun during the eclipſe, which will begin on the right-hand, and paſs to the left, where the eclipſe ends.

Other Cœleſtial Appearances.

The moſt remarkable appearances, conjunctions, and occultations of the planets and fixed ſtars this year, are the following:

1. On the 22d day of January, at 32 min. after 2 in the morning, the moon's eaſtern limb covers the famous fixed ſtar Aldebaran: the ſtar will continue behind the moon for the ſpace of 25 min. when Aldebaran will again become viſible on the weſt ſide of the moon, which is at 57 min. after 2 o'clock.

2. On Tueſday Feb 12, in the morning, the moon will eclipſe the planet Mars; the immerſion will be at 48 min. after 6; and the emerſion, or the ſtar will appear again at 38 min. after 7 o'clock; Mars will be then about 9 min. of a degree north of the moon's centre. It will be very proper to obſerve this occultation with a ſmall teleſcope of ſome ſort.

3. There

3. There will be another viſible occultation of Aldebaran by the moon, on Tueſday the 22d of October, in the morning. The immerſion will be at 42 min. after 6; and the emerſion will be at 30 min. after 7 o'clock; when the ſtar will be advanced 11 min. and 30 ſeconds north of the centre of the moon. To obſerve this with any advantage, a ſmall teleſcope will be proper.

4. The laſt of theſe tranſits I ſhall mention, is a very notable one of Aldebaran, on Sunday the 15th of December, or rather on Monday morning the 16th. The ſtar will be firſt hid by the moon, and the immerſion takes place at 12 min. after 12; and the ſtar will firſt appear again, and the emerſion happens at 24 min. after 1 o'clock in the morning. The ſtar will paſs about 2 min. north of the moon's centre; and as the moon will be near the full, ſome ſort of teleſcope muſt be uſed to obſerve this occultation to any advantage.

5. Any curious perſon that would wiſh to have a view of the Georgian Planet through their teleſcopes, there will be a fine opportunity of finding this ſtar, when it will be in conjunction, as ſeen from the earth, with Regulus, a notable fixed ſtar of the firſt magnitude; this conjunction happens, by my calculations, on the 4th day of October, in the morning, when they will riſe together about 2 o'clock that morning; at which time the difference of their latitudes will be only 14 minutes, the new planet being only ſo much to the north of Regulus. The new planet is very ſlow in motion, ſo that they may be ſeen near together for ſeveral days, both before and after the 4th of October, what is alſo remarkable, the planet Mars alſo comes in conjunction (as ſeen from the earth) with Regulus, on the 1ſt of October, but will be about 51 min. in latitude more to the north. Mars will alſo paſs by the Georgian Planet, on the ſame day, but with 36 min. of latitude more to the north; Mars moves on very faſt to the eaſtward, and ſoon leaves both Regulus and the Georgian Planet to the weſt of him.

6. The nimble planet Mercury is the leaſt in our ſyſtem, and is at all times ſo near the ſun, that a ſight of him can very rarely be obtained, though ſeveral ingenious perſons, deſirous of his acquaintance, ſeek diligently to find him, but commonly in vain, and often ſo, becauſe they are unacquainted with the times when that fickle planet receives terreſtrial viſitants, which he only does (except in ſome rare caſes) when he

he makes his greateſt excurſions from the preſence of his Royal Maſter. I will here ſet down when he will be in company with ſome other of his fellow planets, they will, like good guides, conduct us to the reſidence of our celeſtial vagrant.

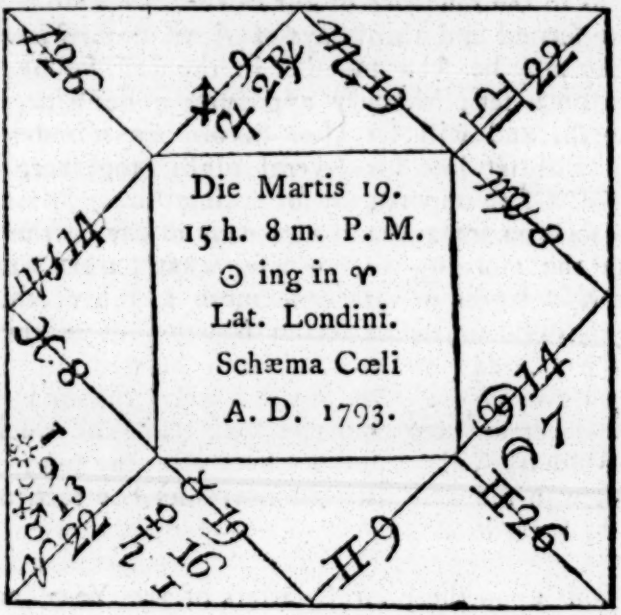
On the ſecond and third days of April Saturn is with Mercury, they may be ſeen together in the weſt for near 2 hours after the ſun is ſet; Mercury appearing about 4 degrees more to the north, and will ſet after Saturn 20 minutes at leaſt. Mercury will ſet late for ſeveral nights together, therefore will afford a fine opportunity of ſeeing him. Mercury may again be ſeen on the 23d and 24th days of May, from 22 min. paſt 3 in the morning till ſun riſe. when Saturn will appear only about 1 degree in latititude more to the north. There will be an opportunity of ſeeing Mercury from the 25th of July to the 7th day of Auguſt, when Mercury may be ſeen in the weſt every night after ſun ſet, when the air is clear, as he will ſet near an hour after the ſun. The laſt week in November Mercury will ſet near an hour after the ſun; therefore may be ſeen in the weſt after the ſun is ſet, by ſuch as have a mind to look for him.

Obſervations upon the Four Quarters of the Year, and upon the influence of the Planets therein.

Of the Spring.—This moſt delightful and charming ſeaſon begins when the ſun enters into the equinoctial ſign Aries, which this year is on Wedneſday the 20th day of March, at 8 minutes after three in the morning, and continues during the ſun's tranſit through the three northern ſigns Aries, Taurus, and Gemini. The ſun now leaves the inhabitants of the ſouthern hemiſphere, to revive and cheriſh with his friendly beams thoſe of the northern. Man need not now ſeek the converſation of treacherous company, or the baneful exhileration of a tavern ſociety to divert his melancholy, it may be much better done in contemplating the beautiful and harmleſs pieces of Nature's furniture: theſe curious emblems of the ſpring are void of deceit; they are innocent ſyrens, though they may raviſh the ſenſes. they will tempt none to deſtruction, but c. ear all mankind with their melliſluous charms.

A ſcheme

A ſcheme of the face of the heavens at the vernal equinox.



The influence of the celeſtial powers will fall, as appears by the above ſcheme, on Swedeland, Ruſſia, Valachia, Piedmont, Bavaria, Ethiopia, part of Perſia, and Ireland, and in great part of the French dominions, and ſeveral other parts of the world, where, if peace be not already concluded, there is reaſon to ſuſpect the effuſion of more human blood; and, to be plain, there ſeems a likelihood for it, becauſe of great diviſions in the councils of thoſe countries concerned, and no ſmall debates will ariſe about the clergy and religious matters, beſides ſome remarkable alterations in ſome parts of the Chriſtian world. Our kingdom in general is like to be free both in church and ſtate, I mean from all violent enemies, though ſome petty differences (or rather diſcontents) may break forth now and then; but I would have theſe diſturbers of the peace of the Engliſh nation take care, how they offend a gracious and good king, and lawful government.

May

May peace and plenty ſtill inveſt the nation,
And ev'ry man prove honeſt in his ſtation,
Which would procure great bleſſings from above,
To all mankind that live in peace and love;
By which doth follow joy and true content,
Which none e'er did, or ever need repent.

The Summer Quarter begins on the 21ſt day of June, at 10 min. paſt 1 in the morning, and continues during the ſun's tranſit through the other three northern ſigns, Cancer, Leo, and Virgo. I aſſure, you that the poſitions of the planets at this time ſignify many religious debates and controverſies, commotions, wars, ſeditions, alterations of laws and cuſtoms, and ſubverſions of rights and privileges, in all which calamities ſeveral parts of Europe will be involved

The Autumnal Quarter commences at the ſun's entrance into the equinoctial ſign Libra, which this year is on the 22d day of September, at 58 min. after 2 in the afternoon, and continues whilſt the ſun is paſſing through Libra, Scorpio, and Sagitarius. This is an active and remarkable ingreſs, and juſt before the commencement thereof happens the ſolar eclipſe before treated of, whoſe effects will be very conſpicuous in the ſeveral parts of the ancient Roman Empire.

The Winter Quarter begins on the 21ſt day of December, at 29 min. after 7 in the morning, and continues during the ſun's progreſs throughout the ſigns Capricorn, Aquarius, and Piſces. The malific influences of ſome late oppoſitions and conjunctions of the ſuperior planets, has been ſeverely felt on the continent of Europe already. The affairs thereof are much altered, and the time is approaching which will produce further remarkable alterations.

What long hath lain conceal'd now comes to light,
Likewiſe a ſtar now ſets, which once ſhin'd bright.

SATURN,

(CONTINUED from LAST YEAR.)

SATURN, as we obſerv'd before, is the moſt diſtant planet in our ſyſtem, except the *Georgian Planet*, lately diſcovered by Dr. *Herſchel*. He performs his courſe with no leſs than ſeven attendants, or moons (two of which, viz. the 6th and 7th have

have alſo lately been diſcovered by the above Dr. Herſchel, by his wonderful and powerful teleſcopes) which are not to be ſeen without the help of a very good teleſcope. Beſides theſe attendants, *Saturn* has an ornament peculiar to himſelf, for he is dignified with a vaſt luminous ring (as we juſt mentioned in our laſt) which ſurrounds his middle, and does no where touch his body, but by an exact libration and equipoiſe of all its parts, ſuſtains itſelf like an arch, and (being thus ſuſpended by heaven's geometry), is kept from falling upon his body. Its edge is towards the earth, but inclining about thirty degrees to the plane of the ecliptic, muſt appear to his inhabitants like an immenſe and beautiful arch of light. It keeps parallel to itſelf at all times. The breadth of this ring is computed to be 21,000 miles, and at ſuch a diſtance from the body of Saturn as is equal to its breadth. This ſpace is ſo great between the body of Saturn and his ring, that, in a proper ſituation, we can ſee the heavens and ſtars through the ſame. The purpoſes of this admirable ring ſeems, from its lucid appearance, intended by Providence to ſupply Saturn with light, and make up for the deficiency of the ſun's rays, which muſt loſe much of their power in paſſing through ſuch an immenſe track to this planet. The diſtance of Saturn from the ſun being ten times greater than that of the earth from the ſame.—The ſhadow of this planet has alſo been ſeen thrown on that part of its ring oppoſite to the ſun, which ſhews that luminary ſupplies Saturn with part of its light, and a ſmall ſhare of its influence. Thus much for this wonderful ring of Saturn, which Dr. Herſchel has lately found to be double, and that through the interval of the two rings; he has clearly perceived the ſky. He has meaſured the outer diameter of this ring, and found it to be 150,000 miles!

FINIS.